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Cable Certification

DTX CableAnalyzer Series

FLUKE NETWORKS



Fluke Networks' DTX CableAnalyzer series combines powerful speed and unprecedented accuracy no other certification tester can match. Certify a Cat 6 link faster with a 9-second Cat 6 Autotest and Level III accuracy. This revolutionary platform combines unmatched copper certification with on-board fiber OLTS and OTDR modules, easy-to-understand diagnostics, 12-hour battery life, a bright color display, and nearly instant setup and reporting. It reduces total time to certify, savings you can see on your bottom line - as much as 33 percent of certification costs per year. DTX - It's all about time!

FEATURES

- Exceeds standard requirements for Cat 5e/6/6A/Class E/E_A/ F/F_A certification testing
- Advanced time-saving diagnostics pinpoints faults invisible to other testers
- Third-party verified to meet TIA-1152 and IEC 61935-1 for Level IIe, III, IIIe, IV accuracy
- On-board OTDR or OLTS modules for fiber certification to TIA and ISO standards
- Fast, reliable and rugged with extended 12-hour battery life and color display all enhance user productivity
- The choice of network owners, cabling manufacturers and contractors for performance audits

DIGITAL CABLE ANALYZERS

Anixter No.	Vendor No.	Description
280602	DTX-1800 120	900 MHz with 9-second Cat 6 Autotest; includes smart remote, permanent link and channel adapters, MMC card, USB port
280630	DTX-1800-M 120	DTX-1800 CableAnalyzer with multimode DTX fiber modules
280631	DTX-1800-MS 120	DTX-1800 CableAnalyzer with multimode and single-mode DTX fiber modules
348996	DTX-1800-MSO 120	Complete DTX-1800 copper/fiber/OTDR certification kit
376839	DTX-1800-MO 120	Complete DTX-1800 copper/fiber certification kit
280613	DTX-1800/SR	DTX-1800 Smart Remote add-on
280615	DTX-LT/SR	DTX-LT Smart Remote add-on
326847	DTX-MFM2	DTX multimode fiber modules - set of two
326853	DTX-GFM2	DTX gigabit multimode fiber modules - set of two
326854	DTX-SFM2	DTX single-mode fiber modules - set of two
441698	DTX-PC5ES	DTX patch cord test adapter set for Cat 5e patch cord testing

Anixter No. Vendor No.

441699 DTX-PC6S

Description

DTX patch cord test adapter set for Cat 6 patch cord testing

441700 DTX-PC6AS

DTX patch cord test adapter set for Cat 6A patch cord testing

GOLD SUPPORT

Anixter No. Vendor No.

280632 GLD-DTX
280633 GLD-DTX-FIBERMOD
374475 GLD-DTX-MSO
398917 GLD-DTX-MO

Description

DTX CableAnalyzer Gold Support
DTX fiber module Gold Support
DTX-1800 MSO Gold Support
DTX-1800 MO Gold Support

DTX CableAnalyzer OTDR Module

FLUKE NETWORKS



Fluke Networks' compact OTDR module is the latest enhancement to the DTX CableAnalyzer - a revolutionary test platform. In addition to performing copper certification and diagnostics, your team can become fiber test experts when you decide to grow your business and turn your cable tester into an OTDR. This full-featured, compact OTDR module snaps onto a DTX CableAnalyzer and provides unmatched ease of use for premises fiber testing. Choose a kit that includes a DTX mainframe and Smart Remote, options for copper certification, optical loss/length capability, or order a module and software that can be installed on your own DTX CableAnalyzer.

FEATURES

- Test and troubleshoot fiber like an expert with the easy-to-use DTX compact OTDR
- Shoot OTDR traces on single-mode and multimode links at 850 nm, 1300 nm, 1310 nm and 1550 nm
- Perform basic loss/length certification and extended (OTDR trace) certification with one powerful cable tester
- Diagnose hard-to-find fiber failures with DTX compact OTDR and resolve simple cable faults and polarity problems with built-in VFL
- Produce professional certification test reports with LinkWare results management software

Anixter No. Vendor No.

348997 DTX-QUAD-OTDR
348998 DTX-OTDR-KIT
348999 DTX-OTDR/LL-KIT
349000 DTX-OTDR-QMOD

Description

DTX compact OTDR kit with mainframe
DTX compact OTDR kit
Complete DTX fiber certification add-on kit
DTX compact OTDR

GOLD SUPPORT

Anixter No. Vendor No.

395550 GLD-DTX-OTDR

Description

DTX-OTDR Gold Support

Cable Certification

Next Generation Certifier

JDSU



JDSU Test and Measurement's NGC Cable Certifier has the highest frequency sweep on the market sweeping up to 1,600 MHz to protect your investment. The revolutionary Touch² design, with intuitive touch screen at both ends makes using the Certifier40G the easiest TIA cable certifier. Minimize time spent transferring results off the tester with the capacity to store over 2,000 full Cat 6A graph results as well as transfer data via the USB flash drive. The full screen at both ends allows users in the field to minimize their walking time by initiating, configuring and storing tests from either side of a link or channel. The platform combines the ability to certify copper as well as perform optical loss test with fiber modules.

FEATURES

- Surpasses ANSI/TIA-568 requirements for Cat 5/5e/6/6A and Class E/E_A/F_A/F certification testing
- Exceeds ANSI/TIA-1152 Level IV accuracy over the full Class F_A spectrum
- Revolutionary large touch screen with Touch² two-ended control
- Fastest Cat 6A/Class F_A test with 9-second Cat 6A test time and 15-second Class F_A test
- Easy to use integrated planning software
- Tier 1 fiber testing modules available for multimode or single-mode fiber testing

CERTIFIER40G

Anixter No.	Vendor No.	Description
434525	NGC-4500-FA-NA	1,600 MHz with 9-second Cat 6A and 15-second Class F _A certification with more than 500 MB flash memory and 1 GB USB flash drive included for flexible test record storage
441500	NGC-4500-MM-NA	Certifier40G Class F _A and MM kit: includes all items in NGC-4500-FA-NA with additional multimode fiber modules
441502	NGC-4500-MMSM-NA	Certifier40G Class F _A , MM and SM kit: includes all items in NGC-4500-FA-NA with additional multimode and single-mode fiber modules
441709	NGC-4500-MM2	Certifier40G multimode adapter pair
441710	NGC-4500-SM2	Certifier40G single-mode adapter pair
434526	NGC-4500-6ACH2	Certifier40G Cat 6A channel adapter pair
441711	NGC-4500-6ALINT1	Cat 6A permanent link interface adapter. When mated to Cat 6A permanent link test cord, supports Cat 6A (and below) permanent link certification testing
441712	NGC-4500-6ALCORD1	Cat 6A permanent link test cord. When mated to Cat 6A permanent link interface adapter NGC-4500-6ALINT1, supports Cat 6A (and below) permanent link certification testing
441713	NGC-4500-BAT1	Battery pack for Certifier40G

MAXCARE

Anixter No.	Vendor No.	Description
441714	NGC-4500-FA-EW	Extension of standard warranty for one year
441715	NGC-4500-FA-MC1Y	MaxCare first year: service package includes annual calibration, accessory replacement and loaner units during first year
441716	NGC-4500-FA-MC	MaxCare: service package includes extended warranty, tech support, annual calibration, accessory replacement and loaner units
441717	NGC-4500-FA-MC3	MaxCare first three years: service package includes extended warranty, tech support, annual calibration, accessory replacement and loaner units for first three years

LanTEK II Series Cable Certifiers

IDEAL INDUSTRIES



The IDEAL LanTEK II series cable certifiers offer speed, performance and accuracy at a great price. Eleven second Cat 5e and 14 second Cat 6 tests with full performance data, plus 10 gigabit alien crosstalk testing that's more than four times faster, make LanTEK II the ultimate copper certification platform. The patented universal adapter system lets you certify most cabling with off-the-shelf patch cords saving time and money by eliminating the need for proprietary permanent link adapters.

The new optional FiberTEK FDX modules give extraordinary fast fiber testing with the first dual wavelength, bi-directional fiber certification capability. The new IDEAL DataCENTER (IDC) software puts the power in the fingertips of the user. The main test grid display can be customized and sorted by virtually any test parameter. IDC offers many reporting options such as detailed, brief and single line report, plus export data in XML, CSV or PDF format making it the most user-friendly and powerful cable reporting software on the market today.

All testers include LanTEK II display and remote handset, two smart lithium-ion batteries, two 110-240 V power adapters with U.S./EU/UK plugs, lockable semi-rigid carrying case, Cat 6A/FTP patch cords, USB cable, DataCENTER data management and reporting software, two headsets, hanging straps and ETL accuracy certificate.

FEATURES

- Three models are available at 350 MHz, 500 MHz and 1,000 MHz for the best performance and price options, all with accuracy independently verified by ETL
- High-speed testing saves time and money
- The most internal memory available - store over 1,700 Category 6/ISO E tests with graphics
- Patented testing method which eliminates expensive permanent link adapters and tests with patch cords for most installations

Cable Certification

- Large, ultra-bright display - a 4.3 in. wide screen display with white LED backlighting provides easy viewing of high-frequency data plots
- 350 MHz and 500 MHz models are fully upgradeable to 1,000 MHz
- Smart lithium-ion battery technology - 18-hour battery life with self-calibrating "fuel gauge" for accurate capacity readings

Anixter No.	Vendor No.	Description
386921	33-991	LanTEK II-350, ANSI/TIA/ISO/IEC Cat 6, Class E certifier with Cat 6 adapters
386923	33-992	LanTEK II-500, ANSI/TIA/ISO/IEC Cat 6A, Class E _A certifier with Cat 6A adapters
386924	33-993	LanTEK II-1000, ANSI/TIA/ISO/IEC Cat 7A, Class F/F _A certifier with Cat 6A adapters
442368	33-993-FA01	LanTEK II-1000 with MM LED FiberTEK FDX kit
442369	33-993-FA02	LanTEK II-1000 with MM VCSEL/laser FiberTEK FDX kit
442370	33-993-FA03	LanTEK II-1000 with SM laser FiberTEK FDX kit
442371	33-993-FA04	LanTEK II-1000 with MM LED and SM laser FiberTEK FDX kit
442372	33-993-FA05	LanTEK II-1000 with MM VCSEL and SM laser FiberTEK FDX kit
442373	LT2-CP-3	Three-year care plan for LanTEK II. Three-year warranty, annual calibration and accessory replacement



FiberTEK FDX Testing Kits

IDEAL INDUSTRIES

The FiberTEK FDX option allows users to add full Tier 1, standards-compliant certification capability to IDEAL LanTEK II certifiers. Tier 1 certification utilizes a light source and power meter to measure the power loss of optical cabling. The only solution that completely eliminates the need to swap fiber or modules, allowing complete one-step certification of horizontal and backbone cabling, twice as fast as any other fiber certification testers.

Contents include two FiberTEK FDX modules, lockable semi-rigid carrying case, SC, FC and ST adapters for modules (two each), SC-SC patch cords (multimode kits: 3 x 62.5 μm, 3 x 50 μm; single-mode kits: 3 x 9 μm SMF) compliant to ISO/IEC 14763-3 standard, quick reference guide and electronic operation manual.

FEATURES

- Complies to ANSI/TIA/ISO/IEC certification standards
- Four attenuation measurements plus length in one press of the Autotest button
- Available with both LED and VCSEL/laser multimode sources for 10/100 Mbps or 1/10G certification
- Real-time power meter to aid in troubleshooting active equipment
- Field changeable adapters (SC, ST and FC) eliminate the need to carry multiple hybrid launch cords

Anixter No.	Vendor No.	Description
386941	33-990-FA01	Multimode (850/1300 nm) kit with LED light sources for standard multimode fiber, 850 nm LED and 1300 nm LED
386942	33-990-FA02	Multimode (850/1300 nm) kit with VCSEL/laser light sources for laser optimized fiber, 850 nm VCSEL, 1300 nm FP laser
386943	33-990-FA03	Single-mode (1310/1550 nm) kit with laser light sources for single-mode fiber, 1310 nm FP laser and 1550 FP laser
386944	33-990-FA04	Combination multimode/single-mode with LED multimode sources and laser single-mode sources (part numbers 386941 and 386943)
386946	33-990-FA05	Combination multimode/single-mode kit with VCSEL/laser multimode sources and laser single-mode sources (part numbers 386942 and 386943)
442375	FDX-CP-3	Three-year care plan for FiberTEK FDX. Three-year warranty, annual calibration for FA01, FA02 and FA03 kits
442376	FDX2-CP-3	Three-year care plan for FiberTEK FDX. Three-year warranty, annual calibration for FA04 and FA05 kits

10 Gigabit Alien Crosstalk Testing Kit

IDEAL INDUSTRIES



Perform a standard 6-around-1 cable test with PS ANEXT and PS AACR-F results for both ends of the cable in as little as 5 1/2 minutes compared to over 20 minutes for some competitive units.

FEATURES

- Add alien crosstalk testing capability to any LanTEK 6A, LanTEK 7G, LanTEK II-500 or LanTEK II-1000 tester
- Perform PS alien NEXT and attenuation to alien crosstalk ratio measurements
- Unique dual-port AXT adapter allows PS ANEXT testing with just one handset for quick initial site testing
- Dual handset mode allows complete AXT certification four times faster than other AXT test systems
- No PC required in the field - all test results calculated on-the-fly for instant pass/fail indication
- Kit includes two dual-port AXT adapters, 12 AXT terminators, shielded patch cords, manual, firmware update and PC reporting software

Anixter No.	Vendor No.	Description
383357	LANTEK10GBKIT	Alien crosstalk testing kit

Test Equipment

SAN Testing

X-GIG SAS/SAN/SATA Tester

JDSU

NEW!



The JDSU storage network test solutions are the premier tools available for supporting deployment and diagnostic/troubleshooting requirements of storage area networks within the data center. Solutions exist for support of native Fibre Channel SANs as well as converged Ethernet environments that are using Fibre Channel over Ethernet (FCoE). Solutions also exist for standalone storage analysis requirements for everything from SD/SDIO/MMC to CompactFlash to USB technologies.

FEATURES

- Detailed protocol analysis and decode of all storage technologies
- Fibre Channel support for 1, 2, 4, 8 and 10G speeds
- Ethernet support for 1 and 10G speeds
- SAS/SATA support for 1.5, 3.0 and 6.0G speeds
- Analyzer, data generation and SAN fabric load testing up to 100 percent bandwidth

For more information, part number configurations and adapters, contact your local sales office.

Network Analysis/Testing

OptiView XG Network Analysis Tablet

FLUKE NETWORKS



Network engineer's tablet with dedicated custom hardware for automated network and application analysis in the deployment and troubleshooting of new technologies. Unique features including proactive analysis, path analysis and application-centric analysis get to root cause faster than ever before.

FEATURES

- Tablet form factor with powerful consolidated functionalities providing automated analysis for 10/100 Mbps, 1/10 Gbps and 802.11a/b/g/n wireless LANs
- Intuitive user interface with smart navigation and built-in intelligent guided problem solving plus user customizable dashboards providing the flexibility to view data as needed
- Application-centric analysis providing a high level view of the health of the applications on the network with the capability to analyze the performance of the network infrastructure's underlying business critical applications (path analysis) to ensure consistent end-user experience
- Guided troubleshooting with automated diagnostics and granular data to solve problems before they escalate
- Detailed, fast network discovery for instant visibility of what's out there and where it's connected in minutes

OPTIVIEW XG

Anixter No.	Vendor No.	Description
441260	OPVXG	OptiView XG - network analysis tablet (GIG)
441261	OPVXG-10G	OptiView XG - network analysis tablet (10 GIG)
441262	OPVXG-PRO	OptiView XG - network analysis tablet (GIG) with Wi-Fi analyzer and Spectrum XT
441263	OPVXG-EXPT	OptiView XG - network analysis tablet (10 GIG) with Wi-Fi analyzer and Spectrum XT

GOLD SUPPORT

Anixter No.	Vendor No.	Description
443522	GLD-OPVXG	OPVXG Gold Support
443523	GLD-OPVXG-10G	OPVXG-10G Gold Support
443524	GLD-OPVXG-PRO	OPVXG -PRO Gold Support
443525	GLD-OPVXG-EXPT	OPVXG- EXPT Gold Support

Please contact your local sales representative for more information on the OptiView XG Network Analysis Tablet. Your sales representative can help you choose models, options, accessories and Gold Supervision support programs to suit your needs.

Enterprise Services Application Module (ESAM) for the T-BERD/MTS-4000 Platform

JDSU



Today's IT networks are more complex than ever. With Voice over IP, IP security cameras and remote applications, complexity that was once confined to the data center is now finding its way closer to the user. Front-line IT technicians now need to resolve a far greater range of faults than ever before. Even the most minor network faults have the potential to render employees unproductive. Keeping the network running is now a mission-critical task.

The Enterprise Services Application Module (ESAM) from JDSU addresses the challenge of maintaining network availability. The ESAM is designed for JDSU's T-BERD 4000 platform, which recently won the "Best in Test" award from Test and Measurement World in the Communications Network Test category.

The ESAM provides the industry's broadest range of enterprise testing capabilities for IT organizations that require a tool to quickly isolate and resolve network issues, which reduces network downtime, lost productivity and associated costs.

FEATURES

- Verify that copper cables support Gigabit Ethernet
- Test network connectivity
- Discover network devices
- Analyze network utilization and traffic patterns
- Use Wireshark to analyze captured PCAP files at wirespeed
- Provides Layer 1-7 protocol capture and expert analysis
- Offers wirespeed deep packet statistics and analysis
- A modular platform with many options:
 - VoIP phone emulation
 - Optical power meter/visual fault locator/OTDR module
 - Fiber inspection probe with automated pass/fail
 - Wi-Fi testing

Anixter No.	Vendor No.	Description
441728	TB4-DIS-LAN	ESAM with T-BERD 4000 base
441730	TB4-DIS-LANVOIPWLAN	ESAM with T-BERD 4000 base with VoIP and Wi-Fi
441731	TB4000-GOVT-LAN	ESAM with T-BERD 4000 base, VoIP CISCO and UNISTIM call manager software
441732	TB4-DIS-LANOPMVFL	ESAM with T-BERD 4000 base with OPM, VFL and scope
441733	TB4-DIS-LANPKG	ESAM with T-BERD 4000 base VoIP, Wi-Fi, OPM, VFL and scope
441738	FBP-SD01	Digital fiber inspection probe microscope (USB 2.0), FiberChek2 software, interchangeable FBPT inspection tips (4) in hard case, SC and LC bulkhead tips, universal 2.5 mm and 1.25 mm patch cord tips and hard-sided carrying case

For more information and part number configurations, contact your local sales office.

Network Analysis/Testing

EtherScope Series II Network Assistant

FLUKE NETWORKS



A handheld Gigabit LAN and 802.11 wireless LAN analyzer that assists network professionals with installation, validation and troubleshooting. Install and integrate infrastructure easily by testing, verifying and fixing configuration issues during deployment. Validate network performance and service delivery by measuring key performance attributes and the availability and responsiveness of essential resources. Diagnose LAN health with one click. Close trouble tickets fast with guided drill-downs to the root cause. Audit the performance of the network on a regular, periodic basis to identify and correct emerging issues. The EtherScope Network Assistant makes testing is so simple practically anyone can troubleshoot problems instantly.

FEATURES

- Analyze Gigabit twisted-pair and fiber optic LANs, and 802.11 wireless LANs
- Troubleshoot problems fast with guided analysis and intelligent drill-downs
- Measure and assess Ethernet LAN/WAN link performance and SLA compliance
- Validate the availability and responsiveness of LAN services

Anixter No.	Vendor No.	Description
328391	ES2-LAN-SX	LAN analyzer with fiber option: Series II mainframe, 1000BASE-SX transceiver, protective boot, carrying strap, rechargeable Li-Ion battery pack, AC adapter/battery charger, CompactFlash card, remote wiremap adapter (ID #1), patch cable, RJ45 adapter, Getting Started Guide, resource CD and carrying case
427495	ES2-LAN-SX/I-LRD	LAN analyzer with fiber and ProVision/RFC2544 options, plus a LinkRunner Duo reflector kit: above with additional ProVision/RFC2544-related features: ProVision, RFC 2544, Service Performance Tool, Server Response Tool and Traffic Generator, plus a LinkRunner Duo with Reflector option, rechargeable Li-Ion battery pack and carrying case

Anixter No.	Vendor No.	Description
415189	ES2-PRO-SX/I-ACK	LAN and WLAN analyzer with fiber and ProVision/RFC2544 options, plus an AirCheck Wi-Fi tester: Series II mainframe, 1000BASE-SX transceiver, 802.11a/b/g CardBus adapter, directional antenna, protective boot, carrying strap, rechargeable Li-Ion battery pack, AC adapter/battery charger, CompactFlash card, remote wiremap adapter (ID #1), patch cable, RJ45 adapter, Getting Started Guide, resource CD, carrying case, additional ProVision/RFC2544-related features, plus an AirCheck Wi-Fi tester
427496	ES2-PRO-SXI-LRDACK	LAN and WLAN analyzer with fiber and ProVision/RFC2544 options, plus a LinkRunner Duo Reflector kit, an AirCheck Wi-Fi tester, and an extended accessories kit: above plus a LinkRunner Duo with Reflector option, rechargeable Li-Ion battery pack, and carrying case, plus AirCheck rechargeable Li-Ion battery, AirCheck directional antenna and AirCheck hard case, plus spare EtherScope Li-Ion battery, external battery charger and AC adapter, remote wiremap IDs #2-#6, mini-USB keyboard and large carrying case
288287	GLD-ES	One year Gold Support, covers any EtherScope mainframe
427497	ES-SWUGD-V5	Version 5 software upgrade: software upgrade for all EtherScope models

LanXPLORER PRO Inline Gigabit Network Tester

NEW!

IDEAL INDUSTRIES



The LanXPLORER PRO is an inline active and passive network tester which offers unsurpassed test capability for LAN management. It has state-of-the-art touch screen and large clear color display. With full inline and endpoint test capabilities, the LanXPLORER PRO tests not only copper cables but also active LAN connections over copper and fiber links. In addition, it liberates the user from cables by allowing most tests to be conducted through a wireless connection offering unparalleled flexibility. It is a perfect tool to meet the needs of professional IT installers and systems administrators in any enterprise, campus or industrial Ethernet environment.

FEATURES

- Troubleshoot passive cabling and active networks
- Touch-and-test user interface
- 3 1/2 in. QVGA color display for crystal clear graphical interpretation of results like wiremap
- Copper, fiber and Wi-Fi testing

Network Analysis/Testing

- Peak, instant, 30 second and continuous bandwidth monitoring
- PoE and PoE+ endpoint and inline testing with load simulation
- Device discovery and top talker identification
- Advanced wiremapping capabilities - tests cables by pin and pair
- Does split pair detection and length measurements
- Virtual keyboard allows easier and much faster data input
- Touch screen navigation allows tests to be completed within three steps
- SM and MM SFP options, 1000BASE-SX, LX and ZX support
- Link LED blink for visual fiber tracing
- DHCP client, ping and traceroute tests with VLAN support
- Full bandwidth Layer 1, 2 and 3 loopback device
- Diagnostic statistics including top ten talkers, protocols, error generation and packet size distribution
- Hub blink test with color-switching on supported devices
- Wi-Fi features
- Identification of active network devices with network discovery function
- Comparison of active network devices against historical data with network verify function
- DHCP client, ping and traceroute tests with VLAN support
- 802.11 b, g and n support
- Identification of access points, Service Set Identifiers (SSID), channels in use, signal strength and security settings
- Detection of channel conflicts

LANXPLOER

LanXPLOER PRO package includes: test unit, active wiremap remote ID #1, NiMH battery pack, Cat 5e STP patch cables, power supply, amplifier probe, user CD manual, carrying case and quick reference guide

Anixter No.	Vendor No.	Description
435655	33-942P	LanXPLOER PRO
437722	33-941P	LanXPLOER plus
438135	33-940B	LanXPLOER basic tester

ACCESSORIES

Anixter No.	Vendor No.	Description
435658	33-940-R1	Active remote #1
435662	33-940-R12	Active remote set #2 - #12
435663	33-940-BP	NiMH battery pack
435664	33-940-PS	Power supply with U.S./EU/UK plugs
435665	33-940-RJ45	RJ45 insertion/extraction tool, 10 x LifeJack RJ45 inserts
435666	SFP-850-1	1000BASE-SX fiber kit includes 850 nm SFP (Small Form Factor pluggable) SX transceiver and LC/SC duplex multimode cable
435667	SFP-1310-1	1000BASE-LX fiber kit includes 1310 nm SFP (Small Form Factor pluggable) LX transceiver and LC/SC duplex multimode cable
435669	SFP-1550-1	1000BASE-ZX fiber kit includes 1550 nm SFP (Small Form Factor pluggable) ZX transceiver and LC/SC duplex single-mode cable
435671	62-164	IDEAL amplifier probe

NetTool Series II Inline Network Tester

FLUKE NETWORKS



Isolate and document network device and application connectivity issues in seconds. See connectivity to key network devices and services with NetProve diagnostics - the fastest way to isolate the source of the problem - whether the cause is the LAN, WAN, firewall, server or application. Create comprehensive reports of your network.

FEATURES

- NetProve diagnostics - isolate device and application connectivity issues in seconds
- Quickly resolve and document network problems with powerful inline visibility into 10/100/gig links between switches, PCs, IP phones and other devices
- Connect inline for visibility into VoIP calls to quickly diagnose IP phone boot-up and call control problems and to measure key call quality metrics
- Verify readiness of PoE systems and troubleshoot PoE device problems
- IntelliTone digital cable location and isolation technology speeds cable troubleshooting

NETTOOL TESTERS

Anixter No.	Vendor No.	Description
334970	NTS2-VOIP	10/100/1000 inline testing, VoIP application, NetProve, PoE, IntelliTone toning, reporter
334961	NTS2-PRO	10/100/1000 inline testing, NetProve, PoE, IntelliTone toning, reporter
355006	NTS2-NSKIT	10/100/1000 Mbps inline, VoIP option, NetSecure option, NetProve diagnostics, IntelliTone toning, IntelliTone Pro 200 probe, NetTool connect PC software, WireView Wiremappers #1-6, set of 4 AA alkaline batteries, NiMH battery/charger kit, USB to mini-USB cable, Ethernet cable, getting started guide, CD with multilanguage user manuals, TPAK meter hanging kit and deluxe carrying case

OPTIONS AND ACCESSORIES

Anixter No.	Vendor No.	Description
334971	NTS2-VOIP-OPT	VoIP option to upgrade an NTS2-PRO to NTS2-VOIP. Upgradeable by the customer via a key code and the NetTool connect software
381990	NTS2-MONAUTH-OPT	Monitoring and authentication option

GOLD EXCHANGE SUPPORT SERVICES

Anixter No.	Vendor No.	Description
256104	GLD-NT	Gold Exchange Support one-year NetTool standard

Test Equipment

Network Analysis/Testing

LinkRunner Pro and Duo Network Multimeter

FLUKE NETWORKS



Network link tester empowers technicians to resolve a broader range of today's connectivity problems. Unlike with traditional 10/100 link testers, LinkRunner Pro and Duo verify gigabit links - increasingly important for today's high-performance networks. They ping up to 10 key devices, detect Power over Ethernet (PoE), resolve 802.1X security conflicts, verify cable wiremap and identify the nearest switch port with Cisco, Extreme and IEEE link layer discovery protocols (CDP/EDP/LLDP). Built-in IntelliTone digital toning precisely locates cables at patch panels and switches. Link status reports can be uploaded from the USB port and routed with trouble tickets to expedite problem resolution. Purchase the LinkRunner Duo to add fiber testing capabilities.

FEATURES

- Link at 10/100/gig - identify device capabilities and confirm actual speed/duplex status (purchase LinkRunner Duo and get the added capability of testing fiber)
- Ping key devices - measure response of DHCP, router, DNS and other devices or URLs
- Verify 802.1X settings - authenticate with EAP type, user name, certificates and password
- Detect PoE service - verify voltage level and pairs to IEEE 802.3af specifications
- Identify switch port - supports Cisco, Extreme and IEEE link layer discovery protocols
- Test cable wiremap - measure length, and detect miswires, shorts, split pairs and opens
- Locate and ID cable - use IntelliTone or optional IDs to locate cables at patch panels
- Document results - upload link status reports with USB port for faster problem resolution

LINKRUNNER

Anixter No.	Vendor No.	Description
344991	LRPRO-1000	LinkRunner Pro network multimeter
344996	LRPRO-KIT	LinkRunner Pro extended test kit
390523	LRDUO	LinkRunner Duo network multimeter
250485	LINKRUNNER	LinkRunner network multimeter
250486	LINKRUNNER-KIT	LinkRunner extended test kit

ACCESSORIES

Anixter No.	Vendor No.	Description
250488	LRUN-WM	Wiremap adapter
250489	RJ45 COUPLER	RJ45 coupler
277452	MT-8200-63A	IntelliTone Pro 200 probe
328751	WIREVIEW 2-6	WireView cable ID set #2 to #6
250824	CLIP-SET	RJ45 to eight alligator clip adapter
357022	LRPRO-LION	Lithium-ion battery pack for LinkRunner Pro

LanScaperPRO Network Tester

JDSU



Perform network testing functions including port discovery, PoE test, ping, hub flash, CDP and high-end cable testing including length measurement. Monitor and correct network problems associated with the physical layer and link conditions of the network. Results are displayed in a wiremap format with a pair by pair status message.

FEATURES

- Cable testing capability includes: single-ended (no remote required) testing of cables for shorts, opens and split pairs
- Full cable test finds all wiring faults including split pairs with a remote connected
- Displays PASS for T568A/B passing cables
- Remote mapping capability - supports sets of 20 ID-only remotes
- Measures length
- Generates selectable tones on selected pins for use with tone tracers
- Auto-MDI/MDI-X Ethernet connectivity protocol supports connection to hub, switch or NIC with any patch cable
- Support for six languages; English, French, German, Italian, Portuguese and Spanish
- Large backlit LCD allows for clear display of setup information and test results
- Auto-off in any mode and low power consumption for long battery life

Anixter No.	Vendor No.	Description
362605	NT800	LanScaperPRO network tester kit with remote
362606	NT850	LanScaperPRO network tester kit with eight remotes and TT100 probe

AirCheck Wi-Fi Tester

FLUKE NETWORKS



The AirCheck Wi-Fi Tester is a simple-to-use, handheld wireless tester that allows users to quickly verify and troubleshoot 802.11 a/b/g/n network availability, connectivity and security all in a dedicated, handheld tool. Its intuitive interface allows you to quickly see wireless network usage and easily determine if it's Wi-Fi traffic or non-Wi-Fi interference. AirCheck helps you audit your wireless environment to identify and locate APs whether authorized or rogue (unauthorized). The tester fully documents your troubleshooting session and creates professional-quality reports. Use these reports to close your trouble ticket or to provide the required information to escalate the ticket to the next level. AirCheck provides the information you need to quickly solve your frontline Wi-Fi problems.

FEATURES

- Dedicated, handheld 802.11 a/b/g/n tester with instant-on technology
- Fully supports 2.4 and 5.0 GHz frequency bands
- Rapidly perform a Wi-Fi discovery to fully assess your current wireless security settings and network availability
- Robust and in-depth WLAN connection tests - from probing to DHCP request to ping

Anixter No.	Vendor No.	Description
415187	AIRCHECK	AirCheck Wi-Fi tester includes: AirCheck tester, USB cable, soft case, Getting Started guide and CD with AirCheck manager software and user manual
415188	ACK-LRPRO	AirCheck frontline troubleshooting kit with LRPRO including: AirCheck tester, external directional antenna, extra AirCheck lithium-ion battery, USB cable, carrying case, Getting Started guide and CD with AirCheck manager software and user manual, LinkRunner Pro and PoE detector
419411	AIRCHECK-5PK	AirCheck 5 pack, includes five AirChecks and five directional antennas
419412	AIRCHECK-10PK	AirCheck 10 pack includes 11 AirChecks and 11 directional antennas
441351	ACK-LRPRO-10PK	ACK-LRPRO 10 pack includes 10 ACK-LRPROs
415192	EXTANT-RPSMA	External directional antenna, RPSMA connector
415194	POE-DETECTOR	Power over Ethernet detector, 802.3at

SUPPORT

Anixter No.	Vendor No.	Description
415195	GLD-ACK	AirCheck Gold Support services, one year

Test Equipment

Video

SecuriTEST PRO CCTV/Security Tester

IDEAL INDUSTRIES



This tester combines seven essential CCTV tools into one cost-effective handheld device. It incorporates a bright color LCD video display, analog PTZ controller, digital multimeter, UTP wiremap, video pattern generator, PTZ protocol analyzer and programming of camera presets and menus. The PTZ protocol analyzer and menu programming decodes and identifies output from the PTZ console and allows access to programming menus of the camera that support this feature. The SecuriTEST PRO is multi-featured, affordable, great for new installs or troubleshooting, and easy to use.

FEATURES

- IRE video level and sync tests
- Sound level test through integrated speaker and onscreen level indicator
- High-capacity lithium battery
- Support for additional PTZ protocols
- Carrying case included
- Lighter in weight with comfort grip sides
- Includes batteries, AC adapter charger, 12 V auto charger, 4 ft. (1.2 m) BNC video cable, DMM test leads, UTP cable terminator and neck strap

Anixter No.	Vendor No.	Description
365881	33-892	SecuriTEST PRO CCTV/security tester

Cable Qualification

SIGNALTEK - FO Multimedia Qualification Tester

IDEAL INDUSTRIES



SIGNALTEK provides a technically innovative and affordable method to test and document performance of voice, data, video and VoIP applications. Certify passive cabling to support Gigabit Ethernet and perform active network testing diagnostics such as DHCP, ping and ARP (address resolution protocol) tests. It tests the link's ability to support applications by transmitting Ethernet packets on the cable and measuring the link performance to the IEEE 802.3ab Gigabit Ethernet standard. By monitoring transmitted and received data packets, it can report the BERT (Bit Error Rate Test) for the link.

FEATURES

- Gigabit Ethernet qualification tester for copper and fiber cable links
- Qualify to IEEE 802.3 standards
- BERT testing for 10/100/1000BASE-T
- Multimode and single-mode testing
- Small Form Factor Pluggable (SFP) modules are compact and field-changeable
- Store/print thousands of reports
- Supports USB "thumb-drives"
- Print directly to many USB printers

Anixter No.	Vendor No.	Description
328250	33-974	SIGNALTEK - copper only
352085	33-981	SIGNALTEK - FO with two 850 nm modules (copper plus multimode)
352086	33-982	SIGNALTEK - FO with two 13x0 nm modules (copper plus multimode and single-mode)
352087	33-983	SIGNALTEK - FO with two 850 nm and two 13x0 nm modules (copper plus multimode and single-mode)
352088	33-987	SIGNALTEK - FO (fiber ready, no modules)
352089	SFP-850	Pair of 850 nm SFP modules
352090	SFP-13X0	Pair of 13x0 nm SFP modules

CableIQ Qualification Tester

FLUKE NETWORKS



CableIQ quickly troubleshoots and qualifies existing twisted-pair cabling for voice, 10/100BASE-T or Gigabit Ethernet. CableIQ can detect speed and duplex settings of

attached switches and PCs and intelligent wiremap tests for length, shorts, split pairs or opens and graphically shows distance to specific pin faults (e.g. pin 1 break at 37 ft.). With its intuitive, lightweight, rugged design, it tests voice, data, video, security and audio cabling.

FEATURES

- Test existing cabling for support of voice or 10/100/Gigabit Ethernet
- Troubleshoot if existing cabling plant can support the desired network speed
- Discover what's at the end of any cable and switch configuration (speed/duplex/pairing)
- Intelligent wiremap graphically maps wiring configuration and shows distance to faults
- Test all copper cabling media: twisted-pair, coax and audio cabling
- Locate and trace cable with IntelliTone digital signaling technology
- Save and uploads results to attached PC

CABLE IQ QUALIFICATION TESTER

Anixter No. Vendor No. Description

376840	CIQ-VOIP	CableIQ VoIP enterprise service kit
303632	CIQ-100	CableIQ qualification tester
303633	CIQ-KIT	CableIQ advanced IT kit includes: main unit with remote adapter, reporter software CD, IntelliTone 200 digital probe, remote IDs #2 to #7, two RJ45 patch cords, USB cable, coax F push-on adapter, 75 ohm coax patch cord, RJ45/11 patch cord, four AA batteries
314671	CIQ-KRQ	CableIQ residential qualifier kit
344988	CIQ-GSV	Cable IQ Gigabit service kit includes CIQ-100, LinkRunner Pro 1000 and IntelliTone 200 probe
391277	CIQ-FTKSFP	Copper and fiber technician's kit - includes the CableIQ (CIQ-KIT) and SimpliFiber Pro (FTK1000) fiber test kit
328388	CIQ-SVC	CableIQ service kit includes CableIQ qualification tester, six CableIQ remote identifiers, CableIQ reporter software CD, two RJ45-RJ45 shielded patch cords, USB cable, coax F push-on cable, RJ45/RJ11 universal coupler, LinkRunner network multimeter, LinkRunner main wiremap adapter, IntelliTone 200 digital probe, test accessory soft pouch, user CD and quick start guide, packaged in a rugged carrying case; one 9 V and six AA batteries included

GOLD EXCHANGE SUPPORT SERVICES

Anixter No.	Vendor No.	Description
366263	GLD-CIQ	Gold support for CableIQ (any model), one year

Cable Qualification

ValidatorPRO and ValidatorPRO-NT

JDSU



The ValidatorPRO Ethernet speed certifier with integrated optical power meter and accompanying Plan-Um cable management software delivers the power to test both copper and fiber cabling, determines if cables can support Gigabit Ethernet, and performs troubleshooting for cable installations.

FEATURES

- Measures optical power on single-mode and multimode fiber
- Conducts BER testing to speed certify Ethernet data transmission speed up to 1000BASE-T (1 Gb/s)
- Measures SNR and skew to uncover impairments to electrical Ethernet data transmission
- Tests for opens, shorts, split pairs, miswires and reversals and measures distance to opens and shorts - supports all copper network, telco and coax cables
- Measures PoE voltage and current (NT only)
- Performs port discovery to detect advertised Ethernet speed and displays capabilities of network devices (NT only)
- Pings network devices to verify connectivity to active equipment (NT only)
- Discovers and displays essential information regarding functionality of 802.11 b/g/n wireless devices (NT only)

VALIDATORPRO

Each package includes: one smart remote, one set 1-8 wiremapping remotes (RJ11/RJ45) (TP612), two lithium-ion rechargeable batteries (NT93), two universal AC adapter/charger units, one 1.83 m 72 in. USB client-to-PC connection cable (series A plug to series B plug), two 19 cm 7.5 in. RJ12-to-RJ12 cables for no-fault connection to RJ11 or RJ45 jacks, two 30.48 cm 1 ft. patch cables with RJ45 connectors, two 60.96 cm 2 ft. RJ45 to 8 alligator clips cord sets, two sacrificial cables for RJ45 mod plug, one coupler F-jack to F-jack, USB drive including Plan-Um cabling installation and planning software, user guide (product manual) and quick start guide, deluxe carrying case, printed quick start guide, 100 "speed certified" cable labels and one 12 V vehicle charger

Anixter No.	Vendor No.	Description
442340	NT1055	ValidatorPRO-NT, Cu copper only Ethernet network management tool including active network tests
406656	NT1150	ValidatorPRO Ethernet speed certifier with integrated optical power meter
406657	NT1155	ValidatorPRO-NT Ethernet speed certifier with integrated optical power meter including active network tests

Cable Continuity

MicroScanner² Cable Verifier

FLUKE NETWORKS



The next generation MicroScanner streamlines voice/data/video cable and service testing. Revolutionary user interface displays available services (10/100/1000 Ethernet, POTS, PoE), cable length (with true TDR technology for finding distance to shorts and opens), wiremap, cable ID and distance to fault all on one screen. Test RJ11, RJ45 and coax with no adapters. Built-in IntelliTone digital and analog toning precisely locates virtually any cable or pair.

FEATURES

- Displays cable length, wiremap, cable ID and distance to fault on one screen
- Detects today's media services, including 10/100/1000 Ethernet, POTS and PoE
- Locates virtually any cable or wire pair with IntelliTone digital and analog toning
- Tests all common media types, including RJ11, RJ45, coax, with no adapters
- Rubber over mold enhances grip and increases ruggedness
- "Oversized" backlit LCD makes results crystal clear in any work environment

Anixter No. Vendor No.
348860 MS2-100

Description
MicroScanner² includes: MicroScanner², main wiremap adapter, two AA alkaline batteries, printed multi-language getting started guide, user CD with multi-language user manuals, packaged in a Fluke Networks vinyl carry pouch

348861 MS2-KIT

MicroScanner² professional kit includes: MicroScanner², main wiremap adapter, remote identifiers #2 - 7 IntelliTone Pro 200 Probe, shielded twisted-pair RJ45 patch cord, RJ11 patch cord, clip set RJ45 to 8 alligator clip bare wire adapter, F coax push-on patch cord, accessory soft pouch, two AA alkaline batteries, 9 V alkaline battery, MicroScanner² getting started guide, user CD, IntelliTone Pro getting started guide, IntelliTone Pro user CD, packaged in a deluxe Fluke Networks carry case

363120 MS2-TTK

MicroScanner² cable verifier, IS60 Pro-Tool kit, IntelliTone 200 probe, RJ11 and RJ45 patch cables, lanyard, owner's CD and quick start guide and 9 volt battery, packaged in a deluxe Fluke Networks carry case

392768 MS2-FTK

Copper and fiber basic technician's kit - includes the MicroScanner² (MS2-100) and SimpliFiber Pro (FTK1000) fiber test kit

VDV PRO and IENet PRO Cable Testers

IDEAL INDUSTRIES



The VDV PRO cable tester is an easy-to-use cable testing and verification device that can quickly test all wiring requirements found throughout today's residential and commercial environments. This tester tests for opens, shorts, split pairs, reversals and miswires on UTP cables, and opens and shorts on coax. It supports RJ11/12, RJ45, coax, F, BNC and RCA connectors. The IENet PRO version supports RJ45 and MJ12 connections and tests to PROFINET industrial Ethernet cabling requirements.

FEATURES

- Both models measure cable length
- Displays wiring errors including open, short, miswire, split pair and length
- Multi-tone support for cable tracing and fault isolation
- Blink network link LED for visual cable tracing
- New integrated coax F-connection
- Larger backlit LCD screen for better test results readability
- Kits available with either one remote or eight remotes
- Remotes have coax, RJ11 and RJ45 jacks for increased testing capabilities
- IENet PRO features a unique, easy to use cable test for 2-pair and 4-pair industrial Ethernet cabling
- IENet PRO remotes have shielded 2-pair, M12 and RJ45 ports and are compatible with most IE cabling
- Test results are displayed in PROFINET industrial Ethernet required format

Anixter No. Vendor No.
412236 33-770

Description
VDV PRO with one remote and terminator, case and accessories

412217 33-771

VDV PRO with eight remotes and terminators, case and accessories

420252 33-772

IENet PRO with single remote

420253 33-773

IENet PRO with eight remotes

412239 33-774

VDV PRO replacement eight remote kit (ID 1-8)

420254 33-775

VDV PRO replacement eight coax terminator kit

420255 33-776

IENet PRO replacement eight remote kit (ID 1-8)

412238 33-780

VDV PRO tester with one remote and amplifier probe

311427 LA-4173

BNC adapter accessory kit

Test Equipment

Cable Continuity

VDV MultiMedia Tester

IDEAL INDUSTRIES



Easy-to-use tester for installers working with voice, data and video applications. Tests for opens, shorts, miswires, reversals and split pairs. Also indicates correct wiremap. Has automatic shutoff to prolong battery life and low battery indicator.

FEATURES

- VOICE - Supports 3-pair USOC and 6-position RJ11/12 jacks for telephone cable testing
- DATA - Supports both shielded and unshielded cable testing for T568A/B (RJ45)
- VIDEO - Tests coax cable for opens and shorts with F-connector interface
- TONE GENERATOR - Supports four different tones making fault identification easier and allows selection of pairs or conductors to transmit tone
- One remote unit is stored inside the tester to keep all parts together with unique design to accommodate coax, RJ11 and RJ45 type connectors
- Can support up to eight unique UTP/STP remotes that wiremap and test for voice and data - must order separately

Anixter No.	Vendor No.	Description
306726	33-856	VDV tester
311427	LA-4173	BNC adapter accessory kit
412239	33-774	VDV PRO replacement eight remote kit (ID 1-8)

NETcat Pro 2 NC-500

GREENLEE



The NETcat Pro 2 is a digital wiring troubleshooter for voice, data and video cables, wiring and service. Controlled by a touch screen display, it is designed to quickly verify that patch cords and in-wall cables have been correctly wired or installed and to determine if Ethernet LAN service is available. It also measures the length of cables. Using connectors on the base unit and its on-board remote, the NC-500 works with twisted-pair LAN, telephone and coaxial cable wiring.

FEATURES

- Touch screen display with contrast adjustment and backlight
- 0 to 2,000 ft. cable length via TDR
- Generates four distinct, precision tones for tracing low-loss cables like Cat 5
- Identifies active network devices (PC or hub) on 10/100BASE-T networks
- Detects shorts, opens, reversed, crossed and split pairs
- Office ID using remote ID units
- Patch cable and remote jack wiremap
- Power over Ethernet detection

Anixter No.	Vendor No.	Description
352096	NC-500	NETcat Pro 2 digital VDV wiring troubleshooter
352097	NC-510	NETcat Pro 2 accessory kit with carrying case and seven digital remote units

TS90 Cable Fault Finder

FLUKE NETWORKS



The TS90 Cable Fault Finder is three tools in one: 1) locate distance to opens or shorts; 2) measure cable on a reel or in a box; 3) patented power tone generator provides five tones, allowing the user to short the far end and hear a change in tone when the correct pair has been identified. Single button operation and an easy-to-read LCD display.

FEATURES

- Instantly measures distance to open or fault from one end of any cable pair up to 3,000 ft.
- Patented power tone generator positively identifies pair
- High-voltage detection
- Moisture proof
- Large LED screen and easy-to-use menu

Anixter No.	Vendor No.	Description
272098	26500090	TS90 with BNC alligator clips

Tone Generators and Probes

Inductive Amplifier

GREENLEE



Used in conjunction with any tone generator, inductive amplifiers permit wire and cable identification without having to make direct metallic contact with the conductor. All models feature a powerful speaker for noisy environments, adjustable volume control, recessed on/off button control and high gain for accurate wire identification in congested cable bundles.

Anixter No.	Vendor No.	Description
434496	200EP-G	Inductive amplifier
240790	200GX	Professional inductive amplifier

Inductive Amplifier with Filter

GREENLEE



The filter probe blocks AC interference by filtering out power-related noise to stop 60 Hz power line hum. The 200FP features adjustable sensitivity control/volume, a momentary ON/OFF push-button and recessed terminals for connecting the unit to telephone test sets or headphones. Works with most tone generators.

Anixter No.	Vendor No.	Description
177079	200FP	Filter probe

IntelliTone Pro Toner and Probe

FLUKE NETWORKS



Breakthrough IntelliTone digital signal technology finds cables other toners/probes can't and speeds cable location with advanced sensing modes. The IntelliTone Pro provides simplified signal interpretation with smart LED and audio indicators and digital signal rejects noise and safely tones active networks. The IntelliTone Pro 200 Kit includes powerful troubleshooting capabilities with datacom link, two-line telecom service ID and end-to-end cablemap.

FEATURES

- IntelliTone digital processing eliminates noise and false signals
- New SmartTone analog toning precisely isolates individual wire pairs
- Locates cables safely and effectively on active networks
- Identifies, diagnoses and troubleshoots datacom/telecom services

Anixter No.	Vendor No.	Description
277448	MT-8200-60A	IntelliTone Pro 200 toner and probe kit
277261	MT-8200-50A	IntelliTone Pro 100 STD toner and probe kit
277449	MT-8200-61A	IntelliTone Pro 200 toner
277450	MT-8200-51A	IntelliTone Pro 100 toner
277452	MT-8200-63A	IntelliTone Pro 200 probe
277270	MT-8200-53A	IntelliTone Pro 100 probe
277453	MT-8202-05	IntelliTone Pro case
277454	MT-8203-20	Test leads with bed of nails
277455	MT-8203-22	Test leads with alligator clips

Test Equipment

Tone Generators and Probes

LAN Toner Kit

GREENLEE



Designed for the network installation and maintenance professional, the LAN Toner sends tone and blinks hub, switch port and PC activity lights for fast identification. This kit can be used on any wiring system including datacom, telecom, security/ alarm, audio and CATV. Kit includes AT8L LAN toner, 200GX inductive amplifier probe and carrying case.

FEATURES

- Universal 6- or 8-position modular plug
- Breakout adapter allows access to individual pairs
- Female RJ45 jack on bottom allows for patch cord connection

Anixter No.	Vendor No.	Description
244521	AT8L	LAN toner
244522	AT8LK	LAN toner kit

Classic Tone and Probe Kit

GREENLEE



The 701K-G is used to identify single conductors or cables within a bundle, at a cross-connect point or at remote ends. The 701K-G packages the 77HP-G Tone Generator and the 200EP-G Inductive Amplifier probe in a carrying case. The 200EP-G tracing probe features an LED headlight for working safely in dark environments. It also has three listening modes with adjustable volume controls. The 77HP-G tracing tone generator has one- or two-line telephone service, voltage/polarity indication and checks for short circuits/continuity with a light and audible beep.

Anixter No.	Vendor No.	Description
151298	701K-G	Classic tone and probe kit
148554	77HP-G	Classic tone generator
434496	200EP-G	Inductive amplifier
151297	700C	Carrying case for 701K kit

Premium Tone and Probe Kit

GREENLEE



The 801K is used to identify single conductors or cables within a bundle, at a cross-connect point or at remote ends. The 60 Hz filter probe eliminates electrical noise to make identifying cables in "noisy" environments possible. The 801K packages the 77HP/6A Tone Generator and the 200FP Inductive Amplifier probe in a carrying case.

Anixter No.	Vendor No.	Description
212374	801K	Premium tone and probe kit
166855	77HP-G/6A	Classic tone generator with bed-of-nails clips
177079	200FP	Filter probe

CATV Tone and Probe Kit

GREENLEE



Designed specifically for the CATV industry, this kit allows you to tone through splitters, directional couplers and taps.

FEATURES

- Kit includes: transmitter, receiver, male F-to-F-connector adapter cable, male F-to-alligator clip adapter cable and carrying case
- Three methods of signal reception: electrostatic pickup for non-terminated cables, electromagnetic pickup for terminated or shorted cables and direct connection when identifying in the presence of passive devices
- Transmitter and receiver are equipped with female F-connectors

Anixter No.	Vendor No.	Description
218704	402K	CATV cable tone test set

Tone Generators and Probes

Pro3000 Tone and Probe Kit

FLUKE NETWORKS



The Pro3000 Tone and Probe Kit is an innovative analog tone and probe from Fluke Networks. Easily identify individual pairs with its patented SmartTone technology (the five different tones for exact pair identification). The large powerful speaker on the probe allows you to hear through drywall, wood or other enclosures to find wires quickly and easily. Kit includes pouch.

FEATURES

- Select solid or alternating tone options, indicated with solid or flashing LEDs
- Exclusive SmartTone technology can generate five separate analog tones when the pair is shorted at the far end
- Works on de-energized AC wire, telephone/twisted-pair wire, all voice and data category rated cable, all coax cable, speaker wire and security wire
- Send tone signal up to 10 miles on most cables
- Line cord features angled bed-of-nails clips and ruggedized RJ11 plug for direct access to phone and data jacks without adapters

Anixter No.	Vendor No.	Description
290695	26000900	Pro3000 analog tone and probe kit
323956	26100900	Pro3000 probe
323957	26200900	Pro3000 tone generator
328803	26100103	Pro3000 analog probe replacement tip
249102	26300000	Ear piece for Pro3000/Pro2000 probe

77 Series Tone Generators

GREENLEE



Permits technicians to identify the conductor within a bundle, at a cross-connect point or at the remote end. Can be used on twisted-pair wiring (telecom, datacom, etc.), single conductors, coaxial cables, de-energized AC wiring and most other wiring with a handset or an inductive amplifier. The tone can reach 50,000 ft. through low-resistance circuits. The unit has dual LEDs for checking polarity on lines one and two. The tone and/or the continuity tests are controlled by the toggle switch. Battery (9 V) not included.

FEATURES

- Selectable warble tone
- Continuity testing
- Polarity testing
- Talk battery supply
- Two-line modular test lead (RJ11)
- Three-color LED (identifies AC ring voltage)
- Weather-resistant design

Anixter No.	Vendor No.	Description
148554	77HP-G	Classic tone generator
166855	77HP-G/6A	Classic tone generator with bed-of-nails clips

Tone Generators and Probes

Pocket Toner

FLUKE NETWORKS



The Pocket Toner tools are pocket-sized, durable test devices that allow users to quickly and easily test wires and cables for continuity and short circuits. The Pocket Toner comes in three models and several different kit configurations so no matter what your job, you can safely install and test. All of the Pocket Toners have dual audible indicators in the main body and detachable buzzer toner units, removable push-on connectors, auto shut-off and easy-to-read indicators.

FEATURES

- Low-voltage circuit protection for both the PCB as well as the detachable toner unit. An installer can test a (>6 V, up to 48 V) low-voltage cable without causing lethal damage to the tool
- Dual audible indicators in main body and detachable buzzer toner unit
- Male and female adaptable toner section
- Removable push-on connector
- Lightweight, durable anodized aluminum body

Anixter No.	Vendor No.	Description
441410	PTNX1	Pocket Toner NX1 - includes NX1 unit and toner
441411	PTNX2	Pocket Toner NX2 - includes NX2 unit and toner
441412	PTNX2-DLX	Pocket Toner NX2 deluxe kit - includes NX2 unit, toner, RJ11 and RJ45 adapters, 66 block adapter, Dial Tone Detective, alligator clips, BNC adapters, RCA adapters, F-81, F-71, Speed 81 adapter, battery and canvas case
441413	PTNX2-CABLE	Pocket Toner NX2 cable kit - includes NX2 unit, toner, alligator clips adapter, F-81, F-71 and Speed 81 adapters, male push-on adapter, battery and canvas case
441414	PTNX8	Pocket Toner NX8 - includes NX8 unit and toner
441415	PTNX8-CABLE	Pocket Toner NX8 cable kit - includes NX8 unit, toner, eight ID caps, alligator clips, F-81, F-71 and Speed 81 adapters, male push-on adapter, battery and deluxe case with belt clip

Anixter No. Vendor No.

441416 PTNX8-CT

Description

Pocket Toner NX8 cable and telephone kit - includes NX8 unit, toner, eight ID caps, 66 block adapter, RJ11 adapter, Dial Tone Detective alligator clips and RJ11 adapter, F-81, F-71 and Speed 81 adapters, male push-on adapter, battery and deluxe case with belt clip

441417 PTNX8-DLX

Pocket Toner NX8 deluxe kit - includes NX8 unit, toner, eight ID caps, 66 block adapter, RJ11 and RJ45 adapters, Dial Tone Detective, alligator clips and RJ45 adapter, BNC adapters, RCA adapters, F-81, F-71, Speed 81 adapters, male push-on adapter, battery and deluxe case with belt clip

441419 PTNX8-VV-PRO

Pocket Toner NX8 voice and video pro kit - includes NX8 unit, toner, eight ID caps, 66 block adapter, RJ11 adapter, RJ45 adapter, Dial Tone Detective, Alligator clips and RJ11 adapter, F-81, F-71, Speed 81, male push-on adapter, battery and deluxe case with belt clip

441420 ADAP-PTNX-KIT

Accessory kit - includes alligator clips and RJ45 adapter, alligator clips and RJ11 adapter, Dial Tone Detective, RJ11 adapter, 66 block adapter, RJ45 adapter, F-type connectors, RCA connectors, BNC connector and bare wire connector

441425 CASE-PTNX-SM

Small case

441426 CASE-PTNX-LG

Large case

441427 PTNX8-ID-1-8

Eight ID caps

441428 ADAP-PTNX-RJ11

RJ11 adapters

441429 ADAP-PTNX-RJ45

RJ45 adapters

OV-Mini Optical Time Domain Reflectometer (OTDR)

CORNING CABLE SYSTEMS



Corning Cable Systems OV-Mini Optical Time Domain Reflectometer (OTDR) provides a rugged, handheld and lightweight solution for testing and troubleshooting fiber optic networks. This handheld OTDR gives the operator the flexibility of testing single-mode 50 and 62.5 μm multimode systems with the same unit. The OV-Mini provides complete connectivity flexibility (with USB stick compatibility and USB cable download) and top user-friendliness (offering one-touch testing). The OV-Mini has a large internal memory that typically stores up to 500 traces and eliminates the need for a hard drive, which can fail under extreme field conditions.

Anixter No.	Vendor No.	Description
406336	MINIDK	OV-Mini OTDR deluxe kit
406335	MINIBK	OV-Mini OTDR basic kit
406337	MINIXK	OV-Mini OTDR deluxe kit with video inspection probe (VIP)
443888	MINIXK-TK	OV-Mini "XK" kit with a quad, optical power source

OV-1000 Optical Time Domain Reflectometer (OTDR)

CORNING CABLE SYSTEMS



Corning Cable Systems OV-1000 Optical Time Domain Reflectometer (OTDR) provides testing flexibility by combining a rugged platform with field-interchangeable multimode, single-mode and advanced testing modules. All OTDR modules can be used as Continuous Wave (CW) light sources. Available as options on the mainframe are a power meter and visual fault locator (VFL). The OV-1000 utilizes Windows CE technology allowing for a fast power-up time of four seconds. The OV-1000 has an 80 MB internal flash memory that typically stores up to 1,500 traces and eliminates the need for a hard drive which can fail under extreme field conditions. If extra storage capacity is needed, the unit offers USB A/B ports and a CompactFlash slot. The OV-1000 has the capacity to hold up to two OTDR modules or one OTDR module and one advanced testing module at the same time. Modules can be easily switched out in the field, without the use of tools, in just a matter of seconds.

The OV-1000 has a 6.4 in. color touch screen that is resistant to shock, water and most common chemicals used in the field. The screen is large enough to view both the trace and the event table simultaneously, eliminating the need to toggle back and forth between the two.

Along with offering three OTDR test modes: Auto, Advanced and Template Trace - the OV-1000 is future-ready with the ability to accept protocol testing modules such as Gigabit Ethernet characterization.

FEATURES

- Rugged, splash-proof mainframe allows for testing in harsh conditions
- 6.4-in. color TFT touch screen makes screen easily readable when testing indoors under artificial light and outdoors in the sunlight
- Dial and keypad make scrolling and selecting faster and easier
- Accommodates up to two field-interchangeable modules eliminating the need to change modules as often
- Windows CE-based technology with four-second power-up time allows the user to begin testing immediately
- Instantaneous AutoSync USB makes it easier and faster to transfer files and perform software upgrades
- Integrated video inspection probe (VIP) port for inspecting connector end-faces

APPLICATIONS

Testing and troubleshooting of LAN, telco, CATV and FTTx networks

OV-1000 OPTICAL TIME DOMAIN REFLECTOMETER (OTDR)

Deluxe Kit includes OV-1000 Mainframe with power meter and VFL, single-mode and/or multimode module(s), power supply, battery, appropriate OTDR port adapters, CD with OTSView PC Emulation software, OTSbatch PC batch processing software, user's manual, cleaning supplies, Quick Reference manual and hard-shell transit case

Anixter No.	Vendor No.	Description
329728	1000DK-MDSD	Dual multimode (27/26 dB) and single-mode (35/34 dB) with SC and ST OTDR port and power meter adapters

OPTIONAL VIDEO PROBE FOR CONNECTOR INSPECTION

The hand-held analog video probe is the ideal solution for inspecting the quality of a fiber optic connector end-face. The probe's design and thumb wheel placement allow for an easy one-hand operation. The magnification control thumb wheel can be used to adjust the image from 200x to 400x. Likewise, the focus control wheel is used to bring the image into focus

Anixter No.	Vendor No.	Description
414464	VIPROBE-DUAL	200x/400x video inspection probe includes: video inspection probe (200x/400x magnification), FC-SC tip for bulkheads, U25M universal patch cord tip for 2.5 mm ferrules, compartmented plastic case for tips

Continued on next page >>

Test Equipment

Fiber Optic

(continued) OV-1000 Optical Time Domain Reflectometer (OTDR)

OPTIONAL ETHERNET MODULE

This Gigabit Ethernet testing module brings performance assurance to Ethernet-based services. Its testing functionality provides all the necessary measurement tools for verifying connectivity in its native format: 10/100/1000BASE-T, 1000BASE-SX, 1000BASE-LX and 1000BASE-ZX

Anixter No.	Vendor No.	Description
374890	1000-GIG-MOD	Gigabit Ethernet testing module for OV-1000 platform; module has two 10/100/1000BASE-T and one Gigabit Ethernet SFP optical port; performs RFC 2544, BERT and frame analysis
374891	1000-SFP-850	1000BASE-SX (850 nm) optical SFP transceiver module with LC connectors for gigabit testing module (VCSEL source)
374892	1000-SFP-1310	1000BASE-SX (850 nm) optical SFP transceiver module with LC connectors for gigabit testing module (VCSEL source)
374893	1000-SFP-1550	1000BASE-ZX (1550 nm) optical SFP transceiver module with LC connectors for gigabit testing module (DFB Laser source)
374895	1000-DIVERTER	Diverter for Gigabit Ethernet testing; includes Ethernet network interface unit with a loop back testing feature with RJ45 interface; also includes a media converter with SFP interface; power supplies and manual; SFP purchased separately

-Basic kits and accessories are available. For more information, contact your local sales representative.
 -You can project the OV1000 screen onto a projector via the remote desktop.

Optical Time Domain Reflectometer (OTDR) Launch Fiber, Access Jumper (PTBs and PTFs)

CORNING CABLE SYSTEMS



Corning Cable Systems offers two OTDR launch cable solutions created with high-quality Corning fiber and cable assemblies. Used for connecting between the OTDR and system-under-test, these launch cables can also be used on the far end of the system-under-test as a receive fiber.

Both options come with a wide variety of configurations depending on customer application. The PTB is a small, portable test bag that offers a low-cost, compact launch cable and can be placed inside most OTDR transit cases. The PTB also offers a carabiner for attaching to an equipment rack, belt loop, bucket lift or messenger. The second solution is a portable test fiber case (PTF), which offers a ruggedized, easy-to-configure solution. The rugged construction allows for shipment of the launch cable separate from the OTDR case.

SPECIFICATIONS

Ordering information: Corning Cable Systems OTDR launch fiber is offered in several standard configurations which are often stocked and offer shorter lead times. However, these items can be custom built to meet your needs and specifications. Please contact your local sales representative for help with custom part number configurations.

Anixter No.	Vendor No.	Description
426741	PTF-300M-SP5861	Optical launch cable for OTDR, SC-ST, OS2
270845	PTF-100M-6P3950	Optical launch cable for OTDR, SC-ST, OM1
426742	PTF-100M-5P0339	Optical launch cable for OTDR, SC-LC, OM3

OTS-600 Series Optical Sources, Meters, Testers and Kits with Data Storage Capabilities

CORNING CABLE SYSTEMS



The Corning Cable Systems OTS-600 Series is ideal for optical network certification. The OTS-600 Series units are sold individually, but most often as test kits. These kits include two units, an SC source adapter, and SC, LC and ST Compatible connector meter port adapters. The kits are packaged in a hard case for convenient storage and protection during transit.

The OTS-600 Series units have data storage for 10,000 results, USB data transfer interface and a video inspection probe port. Both the OT-600 and OS-400 Series units come standard with a 650 nm visual fault locator (VFL) for convenient troubleshooting of optical networks.

FEATURES

- Intuitive step-by-step loss testing wizard which walks user through calculating pass/fail criteria, referencing and setting the file name
- Modular platform allows for future module upgrade
- Integrated video inspection probe (VIP) port for inspecting connector end-faces
- Integrated visual fault locator (VFL) on OT-600 and OS-400 Series units
- OT-600 series models provide source and meter in one unit for bi-directional testing functionality
- Auto wavelength switching and detection cuts typical testing time in half and reduces potential for errors
- USB data ports provide convenient transfer of data to OTS-View Windows-based PC software for storage, viewing and printing of test results

- Stores up to 10,000 measurements
- Power meter has a range of +10 to -70 dBm

Anixter No.	Vendor No.	Description
370269	OTS-6MDS	Single-mode/multimode test kit with OS-4RMDS (850/1300 nm LED and 1310/1550 nm laser) source and integrated 650 nm VFL; OM-610 power meter; two Li-Ion rechargeable batteries and two AC power adapters; USB cable for data transfer; OTS-View software one SC source port adapter, one SC meter adapter, one ST Compatible meter adapter, one LC meter adapter, two wrist straps, cleaning supplies, multimode testing mandrels, hard transit case and user's manual

ACCESSORIES

Anixter No.	Vendor No.	Description
314290	UI-SC	Universal interface source connector adapter, SC
314291	UI-ST	Universal interface source connector adapter, ST
314292	UI-FC	Universal interface source connector adapter, FC
314286	OA-SC	Power meter connector adapter, SC
314287	OA-ST	Power meter connector adapter, ST Compatible
314288	OA-FC	Power meter connector adapter, FC
314289	OA-LC	Power meter connector adapter, LC
327812	OA-MTRJ	Power meter connector adapter, MT-RJ
327816	OTS-COMBOMAN	Set of mandrels for 50 μ m, 50 bend insensitive, and 62.5/125 μ m multimode fiber

LTK-400 Series Optical Sources, Meters and Kits without Data Storage Capabilities

CORNING CABLE SYSTEMS



The Corning Cable Systems LTK-400 Series offers a complete, cost-effective solution for link-loss testing of both multimode and single-mode systems for those users who do not require data storage capabilities. The LTK offers unparalleled performance by combining a source that has one of the highest-output powers in the industry with a meter that has 10 calibrated wavelengths. The units can be powered by standard AA alkaline batteries, or by the supplied AC power adapters.

The LTK-400 Series meter and sources are sold individually or packaged as test kits. These test kits include everything needed to test "right out of the box" including the following:

- OS-400 Series source and OM-410 Meter
- SC and ST Compatible source and meter adapters
- SC and ST jumpers
- SC and ST Compatible adapters
- 62.5/125 μ m and 50/125 μ m test mandrels
- Alkaline batteries and AC power supplies
- Cleaning supplies in a storage case
- Padded carrying case and user's manual

FEATURES

- Rugged handheld design that can withstand the harshest testing environments
- Excellent cost-effective solution for testing fiber optic systems when data storage is not required
- Both the source and meter have field-interchangeable port adapters
- Product warranty and recommended calibration interval of three years results in reduced ownership cost
- Automatic wavelength detection mode allows the power meter to automatically detect/switch to the wavelength being transmitted by the source
- Power meter is calibrated for 10 wavelengths from 830 nm to 1625 nm
- Both the source and power meter are capable of being powered by either an AA battery or by the supplied AC adapter
- Power meter offers signal modulation detection settings for 270 Hz, 1 kHz and 2 kHz signals
- Sources are available as single-mode only, multimode only, or as quad with both a single-mode and multimode source in the same unit

APPLICATIONS

Testing and troubleshooting of local area networks and other multimode and single-mode optical fiber cable systems

TEST KITS WITH SOURCE AND METER

Anixter No.	Vendor No.	Description
309029	LTK-400MD	Multimode Loss Test Kit including OS-403D source (850/1300 nm LED) and OM-410 Meter (no data storage), AA batteries for both units, two AC power supplies, SC and ST Compatible jumpers and adapters for MM, manual, one SC source port adapter, one ST Compatible meter port adapter, two wrist straps, plastic case of cleaning supplies and padded carrying case
308987	LTK-4MDS	Quad Multimode and Single-mode Loss Test Kit including OS-4MDS (850/1300 nm LED) and (1310/1550 nm laser) source and OM-410 Meter (no data storage), AA batteries for both units, two AC power supplies, SC and ST Compatible jumpers and adapters for both multimode and single-mode, manual, two SC source ports adapter, one ST Compatible source port adapter, two wrist straps, plastic case of cleaning supplies and padded carrying case

Continued on next page >>

Test Equipment

Fiber Optic

(continued) LTK-400 Series Optical Sources, Meters and Kits without Data Storage Capabilities

POWER METER

Anixter No.	Vendor No.	Description
314240	OM-410	Optical Power Meter without data storage; one SC meter port adapter, one ST Compatible meter port adapter, one AC adapter, one wrist strap, manual and AA alkaline batteries

LIGHT SOURCE

Anixter No.	Vendor No.	Description
314233	OS-403D	Multimode Optical Source with 850/1300 nm LED; one SC source port adapter, one ST source port adapter, one AC adapter, one wrist strap, manual and AA alkaline batteries
314235	OS-404XD	Single-mode Optical Source with 1310/1550 nm laser; one SC source port adapter, one ST source port adapter, one AC adapter, one wrist strap, manual and AA alkaline batteries
314239	OS-4MDS	Quad Optical Source with 850/1300 nm LED and 1310/1550 nm laser; two SC source port adapter, one ST source port adapter, one AC adapter, one wrist strap, manual and AA alkaline batteries

ACCESSORIES

Anixter No.	Vendor No.	Description
314290	UI-SC	Universal interface source connector adapter, SC
314291	UI-ST	Universal interface source connector adapter, ST
314292	UI-FC	Universal interface source connector adapter, FC
314286	OA-SC	Power meter connector adapter, SC
314287	OA-ST	Power meter connector adapter, ST Compatible
314288	OA-FC	Power meter connector adapter, FC
314289	OA-LC	Power meter connector adapter, LC
327812	OA-MTRJ	Power meter connector adapter, MT-RJ
327813	PS-9-1	AC power adapter for 120 V AC
327814	CASE-STD-400	Padded carrying case for two 400 Series instruments and accessories
327815	CASE-HH-400	Hard-shell transit case for two 400 Series instruments and accessories
327816	OTS-COMBOMAN	Set of mandrels for 50 μm , 50 bend insensitive, and 62.5/125 μm multimode fiber

VFL-350 Visual Fault Locator

CORNING CABLE SYSTEMS



The Corning Cable Systems VFL-350 Visual Fault Locator/Light Source is used to check single-mode and multimode optical fiber cables and components for faults or to locate individual fibers in a bundle. By transmitting a bright beam of red light into a fiber, breaks or improper terminations can be seen as a glowing red light. The VFL-350 emits visible laser light of 635 nm with an output power less than 1 mW. The robust and compact metal housing makes the device suitable for daily on-site use.

FEATURES

- Compact pen design
- Fits all 2.5 mm connector ferrules
- Red, visible laser light with 635 nm wavelength
- Permanent or blinking operation modes
- LASER Class 2 in accordance with IEC 825-2
- Battery powered using two AAA batteries
- Low weight of 60 g
- Clip keeps VFL from rolling off work surface

Anixter No.	Vendor No.	Description
251702	VFL-350	Visual fault locator, 635 nm penlight style

CheckPoint PRO Fiber Identifier

CORNING CABLE SYSTEMS



Corning Cable Systems CheckPoint PRO is a lightweight, handheld, easy-to-use tool to safely and effectively identify the transmission direction, fiber path and relative core power on live optical fibers.

The CheckPoint PRO uses the super-low insertion loss local detection method of macro-bending. This allows for detection of the optical signals during installation and maintenance without disconnecting the fiber or interrupting the traffic signal. The CheckPoint PRO eliminates the need to open the optical fiber at the splice point reducing the probability of interrupting service to your customer.

Anixter No.	Vendor No.	Description
406664	CHECKPOINT PRO	Fiber identifier with carrying case and operating instructions

Handheld Field Inspection Microscope

CORNING CABLE SYSTEMS



The Corning Cable Systems Handheld Microscope makes field connector end-face inspection easy and convenient. Immediate visual feedback helps increase productivity during installation and maintenance. The small size and rugged steel construction make this microscope excellent for field as well as lab use.

FEATURES

- 200x or 400x magnification available
- Laser safety filter installed
- Oblique lighting for best feature resolution
- Push-button illumination
- Multiple connector adapters available
- Built-in rubber eyepiece
- LED lamp for extended life span
- Power supplied by three AAA batteries
- Thirty hours' use from one set of batteries
- Includes soft carrying case

APPLICATIONS

End-face viewing for field terminations in enterprise networks
Connector repair verification
System installation, qualification and troubleshooting

Anixter No.	Vendor No.	Description
352625	200FM	200x microscope with universal 2.5 mm adapter
220360	400FM	400x microscope with universal 2.5mm adapter

T-BERD 4000 OTDR and FiberComplete Tester

JDSU



Testing metro, cable TV (CATV), access and fiber-to-the home (FTTH) networks with larger crews calls for using high-performance handheld test equipment, which is both cost-effective and versatile. Whatever your needs, the T-BERD/MTS-4000 can provide an optimized OTDR plug-in option. The OTDR plug-in modules together with the T-BERD/MTS-4000 family of products provide a rugged, battery-operated handheld test solution. The large display combined with a comprehensive user interface makes it the ideal OTDR to respond to any test scenario.

The FiberComplete module offers the first solution of its kind that automatically performs all the fundamental fiber qualification tests, such as bi-directional insertion loss (IL) and optical return loss (ORL), distance and optical time domain reflectometry (OTDR), with one module and from one optical port.

FEATURES

- Large 7 in. indoor/outdoor color display
- Intuitive graphical user interface with touch screen option
- Connection checker with VFL, power meter and video inspection scope options
- Optimized OTDR plug-ins for enterprise, FTTH, access, metro and long-haul applications
- Highest OTDR performance with models with up to 42 dB dynamic range and 256,000 acquisition points
- Modules available for multimode, single-mode or both
- Instantaneous traffic detection when connecting live fiber
- Auto-test and automatic bend detection standard
- Integrated source and power meter under OTDR port
- Connect the JDSU FBP-P5000 scope to the unit via USB for automated pass/fail on fiber inspection

Anixter No.	Vendor No.	Description
441670	TB4-DIS-QUAD-S	T-BERD 4000 Quad OTDR package basic, which includes TB4000 mainframe, Quad module, light source options and SC adapters, fiber only
430670	TB4-DIS-QUAD-HPT	T-BERD 4000 Quad OTDR package deluxe, which includes TB4000 mainframe, Quad module, power meter/light source options and SC adapters - (can accept ESAM module)
441671	TB4-DIS-MM-S	T-BERD 4000 multimode OTDR package
441672	TB4T-FCOMP2-MA	T-BERD 4000 package with 1310/1550 nm FiberComplete and integrated Metro-Access OTDR. Includes mainframe, FiberComplete OTDR module, bi-directional loss and length, light source option, SC interchangeable adapters, jumpers, mating sleeves, non-reflecting terminations for zero ORL testing and carrying case
441673	TB4T-FCOMP3-MP49	T-BERD 4000 package with 1310/1490/1550 nm FiberComplete and integrated Metro-PON OTDR. Includes mainframe, FiberComplete OTDR module, bi-directional loss and length, light source option, SC interchangeable adapters, jumpers, mating sleeves, non-reflecting terminations for zero ORL testing and carrying case

For more information and part number configurations on the JDSU T-BERD 4000, contact your local sales office.

Test Equipment

Fiber Optic

T-BERD 2000 OTDR

JDSU



Testing metro, cable TV (CATV), access and fiber-to-the home (FTTH) networks with a larger crew calls for using high-performance handheld test equipment which is both cost-effective and versatile. Whatever your needs, the T-BERD/MTS-2000 can provide an optimized OTDR. The large display combined with a comprehensive user interface makes it the ideal OTDR to respond to any test scenario. The TB2000 provides a rugged, battery-operated handheld test solution.

FEATURES

- Large 5 in. indoor/outdoor color display
- Intuitive graphical user interface with touch screen option
- Connection checker with VFL, power meter and video inspection scope options
- Configurations available for multimode, single-mode or both
- Auto-test and automatic bend detection standard
- Connect the JDSU FBP-P5000 scope to the unit via USB for automated pass/fail on fiber inspection

For more information and part number configurations on the JDSU T-BERD 2000 OTDR, contact your local sales office.

OLP-34/35/38 and OLS-34/35/36 SmartPocket Optical Power Meters and Light Sources

JDSU



JDSU SmartPocket Optical Handhelds offer ergonomic and compact design with large display, straightforward user interface and key features to provide the most suitable test tool for technicians working with optical fiber.

The SmartPocket Optical Light Sources (OLS-3x) offer up to four wavelengths in one product and provide an ideal economical solution for installing and maintaining multimode datacom and local area networks (LAN) as well as single-mode telecommunications and multimedia networks.

The SmartPocket Optical Power Meters (OLP-3x) offer fast and accurate measurements of optical power level and serve as ideal testing tools for installing single-mode and multimode optical networks.

Together they constitute a perfectly suitable tool for verifying link insertion loss, measuring power level and checking continuity.

FEATURES

- Rugged and pocket-sized design
- Large display combined with an easy-to-use interface
- Long battery lifetime
- Three years calibration
- Universal optical interface for both power meter and light source
- Auto-wavelength recognition and TwinTest features for saving test time and error-free testing
- Permanent reference power level storage
- Fast download results using the micro USB port
- Report generation with OFS-355 software

SMARTPOCKET TEST KITS

EACH OMK KIT INCLUDES: AA alkaline batteries, AC power adapter, USB cable, one international adapter per source, operating manual, neck strap, soft case MT-2P and a USB stick including reporting software and all relevant documents.

Anixter No.	Vendor No.	Description
441818	2127/01	OMK-34P enterprise plus - MM SmartPocket test kit with interchangeable adapters and USB option
430665	2127/04	OMK-36P enterprise plus - SM/MM SmartPocket test kit with interchangeable adapters and USB option
441838	2127/02	OMK-35P service provider plus - SM SmartPocket test kit with interchangeable adapters and USB option
441839	2127/03	OMK-38P service provider Hi-Power Plus- SM SmartPocket test kit with interchangeable adapters and USB option

SMARTPOCKET OPTICAL LIGHT SOURCES

Each 2303 product comes with AA alkaline batteries, operating manual, neck strap and a belt bag

Anixter No.	Vendor No.	Description
441840	2303/01	OLS-34 LED source, 850/1300 nm, MM, interchangeable adapter
441844	2303/11	OLS-35 laser source, 1310/1550 nm, SM, interchangeable adapter
441847	2303/21	OLS-36 Quad Source, 850/1300/1310/1550 nm, SM, MM, interchangeable adapter

SMARTPOCKET OPTICAL POWER METERS

Each 2302 product comes with 2.5 mm UPP adapter, AA alkaline batteries, operating manual, neck strap and a belt bag

Anixter No.	Vendor No.	Description
441883	2302/11	OLP-34 optical power meter, germanium, +5 dBm with data storage and USB download capability
441884	2302/12	OLP-35 optical power meter, InGaAs, +10 dBm with data storage and USB download capability
441885	2302/13	OLP-38 optical power meter, filtered InGaAs, +26 dBm with data storage and USB download capability

ADDITIONAL ACCESSORIES

Anixter No.	Vendor No.	Description
441873	FCR-CLN-01	Fiber cleaning consumables kit
441874	2237/90.02	NiMH rechargeable batteries, Mignon AA, 1.2 V (two batteries)
441875	2302/90.01	SNT-505; universal AC power adapter, micro USB connector
441876	2302/90.03	Neck strap for SmartPocket
441880	K 807	USB connection cable
441882	2127/90.01	MT-2P, soft case for two SmartPockets and accessories

For more information and part number configurations, contact your local sales office.

FI-60

JDSU

NEW!



The new JDSU FI-Series Live Fiber Identifier (LFI) addresses the real-world needs of fiber technicians with the ability to detect optical signals on a fiber cable without disrupting network traffic. Designed with user workflow in mind, this small form-factor device eliminates time consuming and confusing problems encountered in other LFI devices. Simply align the jacketed fiber into the open channel and click the safe-latch trigger to identify activity or tones at 270 Hz, 330 Hz, 1 kHz and 2 kHz. Compatible with multiple cable diameters from 250 μ m tight buffer to 3 mm jacketed fibers, this LFI is ideal for installation, service, maintenance or troubleshooting. This unique and compact tool is very easy to use.

FEATURES

- Slim form-factor design enables access to cables in densely populated areas
- Safe-latch trigger assures that the technician will not over-stress the fiber when testing, providing a repeatable and controlled engagement with fiber
- Easy to understand controls with visible "traffic" indicator and audible tone (solid or pulsed, depending on traffic type)
- Easily converts to an Optical Power Meter (OPM)
- Measures both absolute (dBm) and relative (dB) power measurements
- Store and recall up to 100 measurement readings directly on the device
- Download stored data to PC via USB connection
- User can define and customize list of selectable wavelengths
- Up to 2 kHz tone detection with user adjustable power threshold
- Audible tone and visual indicator when power threshold is exceeded

Anixter No.	Vendor No.	Description
440203	FI-60	Live Fiber Identifier with removable LFI attachment, 2.5 mm and 1.25 mm OPM connector interfaces, USB cable, software and carrying case

Fiber Essentials Toolkit

JDSU



The integrated features and contents of JDSU's fiber inspection and test kits are specially designed to optimize workflow and provide ultimate portability. It features the new FIT handheld inspection and test system that combines optical power measurement and dedicated patch cord inspection into one device. The kit also includes the industry-leading FBP Series probe for bulkhead inspection and a visual fault locator that quickly and easily locates fiber damage. The utility boot organizes these essential tools into one functional unit, making it ideal for field use. Inspect before you connect.

FEATURES

- TFT LCD to view clear, crisp, detailed images of fiber end-faces with optimal resolution
- Inspects both sides of fiber interconnect and accurately tests and measures optical power with one device
- Integrated functions and features eliminate switching between multiple devices
- FBP series probe microscope and a dedicated patch cord microscope (PCM) let users quickly and easily inspect both sides fiber interconnects
- Integrated patch cord monitor eliminates need for changing inspection tips, prevents misrouting and protects patch cords
- Integrated power meter for all single-mode and multimode applications, such as LAN, telecom, CATV and DWDM testing
- Included pocket-sized visual fault locator to quickly locate bends, breaks and damages in fiber
- Packaged in all-in-one portable organizer for essential fiber tools and includes neck strap for hands-free operation
- Includes cleaning tools for both patch cord and bulkhead cleaning
- Modulation frequency detection lets users identify individual fibers at specific tones
- Three-year calibration period
- Automatic wavelength detection (with JDSU optical light source)

Anixter No. Vendor No. Description

416164	FIT-S105-PRO	Fiber essentials tool kit: dual-mag FBP probe microscope and tips (SC and LC for UPC fiber), FIT-HP2-60-P4 inspection and test system with 400X PCM and 2 in. screen. Also includes a compact visual fault locator, cleaning tools, a hands free utility carrier, carrying case and batteries
425443	FIT-S205-PRO	Fiber essentials tool kit: dual-mag FBP probe microscope and tips (SC and LC for UPC fiber), FIT-HP2-60-P4 inspection and test system with 400X PCM and 3.5 in. screen. Also includes a compact visual fault locator, cleaning tools, a hands free utility carrier, carrying case and batteries

For more information and part number configurations such as additional tips and adapters, contact your local sales office.

Test Equipment

Fiber Optic

P5000 Digital Probe Microscope and FiberChek2

JDSU



FiberChek2 is an advanced application that determines the acceptability of optical fiber end-faces through automated inspection and analysis. It identifies and characterizes defects and contamination and determines their location relative to the fiber core. It then provides a pass or fail result according to a pre-configured failure criteria setting. The P5000 digital probe microscope connects directly to a PC or laptop via a USB 2.0 connection, and the unique QuickCapture button lets users capture, inspect and analyze a fiber end-face image in a single automated step. Inspect before you connect.

FEATURES

- FiberChek2 software is pre-programmed to comply with International Electrotechnical Commission (IEC) acceptance criteria standard (IEC 61300-3-35) for single-mode and multimode connectors
- Remove human subjectivity from fiber inspection and grading to ensure consistent results
- Archive results and images as HTML or PDF files and generate integrated reports
- Plug it directly into PC/laptop via USB 2.0 connection
- Produces crisp, clear view of fiber end-face condition with high-resolution 5MP camera and coaxial illumination
- Plug it directly into USB port on the TB4000 mainframe for automated pass/fail of fiber cleanliness

Anixter No.	Vendor No.	Description
441738	FBP-SD01	Digital fiber inspection probe microscope (USB 2.0), FiberChek2 software, interchangeable FBPT inspection tips (4) in hard case, SC and LC bulkhead tips, universal 2.5 mm and 1.25 mm patch cord tips and hard-sided carrying case
441803	FBP-P5000	FBP-P5000 digital fiber inspection probe microscope (USB 2.0), FiberChek2 software, FBPT inspection tip, universal 2.5 mm patch cord tip and hard-sided carrying case

Fiber Scope Tips and Adapters

JDSU



JDSU manufactures 300+ tips and adapters for any fiber optic type and connector you need to inspect with probe microscopes for proper fiber care. JDSU supplies tips

for enterprise networks, carrier backbone networks, mobile backhaul networks, CATV, FTTx, military/aerospace, ribbon fiber and backplane applications supporting the vast majority of connector types in virtually any application. Tips and adapters are available for both the patch cord (male) and bulkhead (female) portion of your fiber connection. FBPT tips and FMAE adapters are for use with JDSU's FBP-P5 or FBP-P5000 probe. Inspect before you connect.

Anixter No.	Vendor No.	Description
379493	FBPT-U12M	Tip univ. 1.25 mm/UPC patch cord
441806	FBPT-FC	Tip for FC/UPC bulkhead
441807	FBPT-FC-APC	Tip for FC/APC bulkhead
441808	FBPT-LC	Tip for LC/UPC bulkhead
441810	FBPT-SC	Tip for SC/UPC bulkhead
441811	FBPT-SC-APC	Tip for SC/APC bulkhead
441812	FBPT-ST	Tip for ST/UPC bulkhead
441813	FBPT-MTP-L	Tip MTP/UPC bulkhead long reach, X and Y axis pan knob
441814	FBPT-MTPA-L	Tip MTP/APC bulkhead long reach, X and Y axis pan knob
441915	FBPT-U25M	Tip univ. 2.50 mm/UPC patch cord
441917	FBPT-U25MA	Tip univ. 12.50 mm/APC patch cord

For more information and additional part numbers, contact your local sales office.

Visual Fault Locator VFL

JDSU



Whether installing or troubleshooting, the visual fault locator (VFL) is an essential tool that quickly and easily locates problem areas in fiber cables. By pinpointing the exact location of fiber damage, technicians can diagnose, troubleshoot and fix the problem efficiently. JDSU offers two unique versions of the VFL that are economically priced and ergonomically designed for comfortable handling and portability. The VFL emits a bright red laser beam (Class II), making the light escaping from the damaged fiber easily visible from a distance. The continuous/flash control button lets operators choose between continuous or flashing illumination.

FEATURES

- Compact, ergonomic design for ultimate portability
- Visible wavelength is 650 nm
- High-powered laser (1 mW) for single-mode (> 7 km) and multimode (> 5 km) connectors
- Continuous or flash illumination
- Universal connector interface for quick and easy connection

- 2.5 mm connector input (1.25 mm adapter available)
- Includes soft-sided carrying case with belt loop

Anixter No.	Vendor No.	Description
416192	FFL-050	Visual fault locator (pocket-sized)
441743	FFL-100	Visual fault locator (ruggedized) with 1.25 mm adapter
441744	FFL-U12	Universal 1.25 mm adapter for FFL-100
441749	FFL-050-U12	Universal 1.25 mm adapter for FFL-050

For more information and part number configurations such as additional tips and adapters, contact your local sales office.

OptiFiber OTDR

FLUKE NETWORKS



The OptiFiber is a complete fiber test solution for premise network owners and installers that is easy to operate. OptiFiber is a field-tough troubleshooting and certification tool that takes visibility and results management to a new level.

FEATURES

- Boost productivity with an easy-to-use interface and small, lightweight design
- Diagnose fiber cabling issues with integrated ChannelMap, auto OTDR and fiber end-face inspection. Brand new FaultMap capability diagnoses connector quality
- Certify fiber using integrated auto OTDR analysis, automated loss and length measurements and fiber end-face inspection
- Enhance visibility into premise, campus and metro networks with short event dead-zones
- Document fiber with LinkWare PC data management and reporting software

Anixter No.	Vendor No.	Description
392763	OF-500-M	OptiFiber multimode OTDR
392764	OF-500-S	OptiFiber single-mode OTDR
392765	OF-500-MS	OptiFiber Quad OTDR
398834	OF-500-M10	OptiFiber data center-ready certifying multimode OTDR (includes 50/62.5 μ m launch fibers, SC and LC adapters, inspection and cleaning accessories)
398835	OF-500-MS35	OptiFiber enterprise-ready certifying quad OTDR (includes 50/62.5 μ m launch fibers, SC and LC adapters, inspection and cleaning accessories)
398839	OF-500-MS45	OptiFiber premium enterprise-ready certifying quad OTDR (includes 50/62.5 μ m launch fibers and test reference cords, SC and LC adapters, inspection and cleaning accessories)

Anixter No. Vendor No.
398840 OF-500-MSDTX

Description
OptiFiber enterprise-ready certifying Quad OTDR + DTX (includes 50/62.5 μ m launch fibers and test reference cords, SC and LC adapters, inspection and cleaning accessories)

398842 OFCC-CASE

Durable OptiFiber soft carrying case

SUPPORT

Anixter No. Vendor No.

399011 GLD-OF

Description

Covers the OF-500 OptiFiber mainframe

DTX-CLT CertiFiber Optical Loss Test Set

FLUKE NETWORKS



The DTX-CLT CertiFiber Optical Loss Test Set provides a complete Tier 1 fiber certification (loss, length and polarity) solution for both multimode and single-mode fiber. Leveraging the market-leading DTX CableAnalyzer interface, it performs easy and quick validation of fiber link performance and installation quality, measurement of optical loss at multiple wavelengths and polarity confirmation. It even measures fiber length, eliminating the need for unreliable guesswork and estimation methods. Cut testing time in half by testing two fibers in both directions at two wavelengths without swapping main and remote units! Save, upload, manage and print comprehensive certification reports using Fluke Networks' popular LinkWare PC software.

FEATURES

- 12-second Autotest - loss measurement of two fibers at two wavelengths, optical link budget calculation and a PASS/FAIL analysis
- Optimized for applications ranging up to 10 Gig
- Interchangeable multimode and single-mode modules (which are also compatible with the popular DTX CableAnalyzer)
- Accurate fiber length measurement - eliminate haphazard guessing
- Continuity and polarity verification
- Easy-to-use and widely-recognized DTX-based interface

DTX-CLT CERTIFIBER OPTICAL LOSS TEST SET

Anixter No. Vendor No.

416002 DTX-CERTIFIBER-M

Description

Multimode DTX-CLT CertiFiber, includes DTX-MFM2 and one set of 50 μ m SC/SC test reference cords

416003 DTX-CERTIFIBER-S

Single-mode DTX-CLT CertiFiber, includes DTX-SFM2 and one of SM SC/SC test reference cords

Continued on next page >>

Fiber Optic

(continued)

Anixter No.	Vendor No.	Description
416004	DTX-CERTIFIBER-MS	Multimode and single-mode DTX-CLT CertiFiber, includes DTX-MFM2 and DTX-SFM2 and one set each of 50 μm and SM SC/SC test reference cords
416005	DTX-CERTIFIBER/MU	Replacement mainframe for DTX-CLT CertiFiber
416006	DTX-CERTIFIBER/RU	Replacement remote for DTX-CLT CertiFiber

SUPPORT

Anixter No.	Vendor No.	Description
280633	GLD-DTX-FIBERMOD	DTX fiber module Gold Support

Fiber OneShot PRO

FLUKE NETWORKS



Whether you are troubleshooting FTtx, Hybrid Fiber Coax (HFC), fiber between Central Offices or working on regional/rural access networks, Fiber OneShot PRO is your first response to fiber trouble. The Fiber OneShot PRO analyzes fiber links and measures faults up to 15 miles in less than five seconds. The one-button test feature means no training and can cut the average job time by 30 percent. This new class of tester fills the gap between a VFL and OTDR because it easily and quickly locates lossy connections, high-loss faults and breaks in a single-mode fiber network.

FEATURES

- Measure up to 75,459 feet (23,000 meters) of fiber in seconds
- Locate severe bends, high-loss splices, breaks and dirty connectors in single-mode fiber
- Save and store up to 99 test results for later review
- Confirm channel connectivity by analyzing the fiber link
- Locate sources of bit-error rates caused by end-face contamination or poor connection leads
- Reports up to nine multiple events per fiber link

Anixter No.	Vendor No.	Description
441397	FIBR-1-SHOTPRO	Fiber OneShot PRO only - includes meter, SC adapter, 22-language QRG on CD, manual and batteries
441399	FIBR-1-KITPRO	Fiber OneShot PRO-SC kit - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries

Anixter No.	Vendor No.	Description
441402	FIBR-1-KITPRO-VF	Fiber OneShot PRO-SC kit with VisiFault - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries plus the VisiFault visual fault locator with 2.5 mm universal adapter
441404	FIBR-1-KITPRO-PM	Fiber OneShot PRO-SC kit with SimpliFiber Pro - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries plus SimpliFiber Pro optical power meter and SC adapter
441930	FIBR-UPC-CORD-2M	UPC-UPC patch cord, 2 meters
441397	FIBR-1-SHOTPRO	Fiber OneShot PRO only - includes meter, SC adapter, 22-language QRG on CD, manual and batteries
441399	FIBR-1-KITPRO	Fiber OneShot PRO-SC kit - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries
441402	FIBR-1-KITPRO-VF	Fiber OneShot PRO-SC kit with VisiFault - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries plus the VisiFault visual fault locator with 2.5 mm universal adapter
441404	FIBR-1-KITPRO-PM	Fiber OneShot PRO-SC kit with SimpliFiber Pro - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries plus SimpliFiber Pro optical power meter and SC adapter
441405	FIBR-1-KITPRO-VFPM	Fiber OneShot PRO-SC kit with VisiFault and SimpliFiber Pro - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries plus the VisiFault visual fault locator with 2.5 mm universal adapter and SimpliFiber Pro optical power meter and SC adapter
411271	FIBR-1-KIT	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1 m launch cords, holster, case, 22-language QRG on CD, manual and batteries
411272	FIBR-1-SHOT	Fiber OneShot optical test set, SC adapter, holster, 22-language QRG on CD, manual and batteries
411273	FIBR-1-KIT-VF	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1 m launch cords, holster, case, 22-language QRG on CD, manual, batteries and VisiFault visual fault locator with 2.5 mm universal adapter

411274	FIBR-1-KIT-PM	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1 m launch cords, holster, case, 22-language QRG on CD, manual, batteries and SFPOWERMETER - SimpliFiber Pro optical power meter, SC adapter included
411276	FIBR-1-KIT-VFPM	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22-language QRG on CD, manual, batteries, VisiFault visual fault locator with 2.5 mm universal adapter and SFPOWERMETER - SimpliFiber Pro optical power meter, SC adapter included
441930	FIBR-UPC-CORD-2M	UPC-UPC patch cord, 2 meters
441405	FIBR-1-KITPRO-VFPM	Fiber OneShot PRO-SC kit with VisiFault and SimpliFiber Pro - includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language QRG on CD, manual and batteries plus the VisiFault visual fault locator with 2.5 mm universal adapter and SimpliFiber Pro optical power meter and SC adapter
411271	FIBR-1-KIT	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1 m launch cords, holster, case, 22-language QRG on CD, manual and batteries
411272	FIBR-1-SHOT	Fiber OneShot optical test set, SC adapter, holster, 22-language QRG on CD, manual and batteries
411273	FIBR-1-KIT-VF	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1 m launch cords, holster, case, 22-language QRG on CD, manual, batteries and VisiFault visual fault locator with 2.5 mm universal adapter
411274	FIBR-1-KIT-PM	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1 m launch cords, holster, case, 22-language QRG on CD, manual, batteries and SFPOWERMETER - SimpliFiber Pro optical power meter, SC adapter included
411276	FIBR-1-KIT-VFPM	Fiber OneShot optical test set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22-language QRG on CD, manual, batteries, VisiFault visual fault locator with 2.5 mm universal adapter and SFPOWERMETER - SimpliFiber Pro optical power meter, SC adapter included
441930	FIBR-UPC-CORD-2M	UPC-UPC patch cord, 2 meters

Fiber QuickMap Enterprise Fiber Troubleshooter

NEW!

FLUKE NETWORKS



The Fiber QuickMap is a new category of fiber troubleshooter for the enterprise, quickly and efficiently locating connections and breaks in a multimode fiber network. One button press and six seconds of test time leads to immediate visibility and understanding of a multimode channel's links to identify any potential problem areas.

FEATURES

- One-button troubleshooting - no lengthy set-up necessary
- Six-second test time - no more blind-troubleshooting that can last hours
- Locate multiple incidents - quickly see potentially problematic connections in the channel
- Locate high-loss incidents or breaks - find the most common causes of fiber failure
- Locate reflective incidents - discover causes of bit error rates, a primary source of network degradation

Anixter No.	Vendor No.	Description
441701	FQM-MAIN	Fiber QuickMap mainframe with carrying pouch
441702	FQM-KIT	Fiber QuickMap kit with test reference cords (50 and 62.5 μm for both SC/SC and SC/LC) and carrying pouch
441704	FTS900	Fiber QuickMap kit with test reference cords (50 and 62.5 μm for both SC/SC and SC/LC), VisiFault visual fault locator and carrying case
441705	FTS1000	Fiber QuickMap troubleshooter kit with test reference cords (50 and 62.5 μm for both SC/SC and SC/LC), VisiFault visual fault locator, SimpliFiber Pro power meter and multimode source and carrying case
442403	FTS1100	Fiber QuickMap troubleshooter kit with test reference cords (50 and 62.5 μm for both SC/SC and SC/LC), VisiFault visual fault locator, SimpliFiber Pro power meter and multimode source, FT500 FiberInspector mini video microscope and carrying case

Test Equipment

Fiber Optic

SimpliFiber Pro Optical Power Meter and Fiber Test Kits

FLUKE NETWORKS



With new, unique capabilities that simplify testing, SimpliFiber Pro Optical Power Meter and Fiber Test Kits are ideal for conducting first-line fiber cabling installation or verification.

FEATURES

- Dual-wavelength testing - complete testing in half the time
- Additional wavelengths to include 1490 and 1625 - calibrated to extend from typical enterprise wavelengths for broader applications
- Min./max. - precision tracking of intermittent power fluctuations, a superior alternative to the inaccurate "wiggle" test
- CheckActive - audible tone and display icon alerts you to a live wire
- Saves 1,000 results - large internal memory enables continuous testing and recording; fully compatible with the popular LinkWare cable
- Test management software
- Quickly locate cable fault, polarity and connector problems with VisiFault VFL*
- Inspect end-faces at 200x magnification with the FT120 FiberViewer or FT500 FiberInspector Mini*

*Not available in all kit configurations

COMPLETE FIBER VERIFICATION KIT (FTK1450)

The complete fiber verification kit is for contractors and network technicians who install and maintain premises networks with both multimode and single-mode optical fiber. Use this kit to verify optical loss and power levels at 850, 1300, 1310, 1490, 1550 and 1625 nm, inspect fiber end-faces, locate cable faults, connector problems and polarity issues. Kit combinations offer a variety of inspection options.

Anixter No.	Vendor No.	Description
381298	FTK1450	Complete fiber verification kit. Includes SimpliFiber Pro power meter, 850/1300 and 1310/1500 sources (SC port), two FindFiber remote ID sources, FT500 FiberViewer video microscope, VisiFault VFL, LC and ST adapters, NFC-KIT-BOX cleaning equipment and carrying case

FULL-FEATURED INSPECTION AND MULTIMODE VERIFICATION KITS (FTK1300 AND FTK1350)

The full-featured inspection and multimode verification kits are for contractors and network technicians who install and maintain multimode premises networks. Use these kits to verify optical loss and power levels at 850 and 1300 nm, inspect fiber end-faces, locate cable faults, connector problems and polarity issues. Kit combinations offer a variety of inspection options.

Anixter No.	Vendor No.	Description
381296	FTK1300	Full-featured verification kit with FiberViewer. Includes SimpliFiber Pro power meter, 850/1300 source (SC port), FindFiber remote ID source, FT120 FiberViewer optical microscope, VisiFault VFL, LC and ST adapters and carrying case
381297	FTK1350	Full-featured verification kit with FiberInspector Mini. Includes SimpliFiber Pro power meter, 850/1300 source (SC port), FindFiber remote ID source, FT500 FiberViewer video microscope, VisiFault VFL, LC and ST adapters and carrying case

BASIC VERIFICATION KITS (FTK1000-MM, FTK2000-SM AND FTK2100)

The basic verification kits are great starter kits for contractors and network technicians who install and maintain fiber links. Available in single-mode or multimode configurations, quickly verify optical loss and power levels at 850 and 1300 nm or 1310 and 1550 nm. Add additional sources, microscopes and VFL options as needed.

Anixter No.	Vendor No.	Description
381295	FTK1000	Basic verification kit (multimode). Includes SimpliFiber Pro power meter, 850/1300 multimode source (SC port) and carrying case
381299	FTK2000	Basic verification kit (single-mode). Includes SimpliFiber Pro power meter, 1310/1550 single-mode source (SC port) and carrying case
433245	FTK2100	Basic verification kit (SFPOWERMETER, SFSINGLEMODESOURCE, SFSINGLEMODE2 with case)

FIBERINSPECTOR MINI AND CLEANING KIT (FT525)

Choose this option if you are installing and maintaining any fiber optics network. Everyone using fiber optics needs to be inspecting and cleaning ports and end-faces prior to mating for top network performance.

Anixter No.	Vendor No.	Description
358648	FT525	FiberInspector Mini video microscope and cleaning kit case

SIMPLIFIBER PRO

Anixter No.	Vendor No.	Description
381294	SFPOWERMETER	SimpliFiber Pro power meter with SC adapter, carrying pouch
381993	SFSINGLEMODESOURCE	SimpliFiber Pro single-mode 1310/1500 source with SC port, carrying pouch
433244	SFSINGLEMODE2	SimpliFiber Pro single-mode 1490/1625 source
381994	FINDFIBER	FindFiber remote ID source with SC port, carrying pouch
381995	FINDFIBER-6	Set of six FindFiber remote ID sources, carrying pouch

GOLD SUPPORT

Anixter No.	Vendor No.	Description
368639	GLD-FTK	Gold support package for SimpliFiber Pro

FiberInspector Pro

FLUKE NETWORKS



The FiberInspector video microscope enables inspection of end-faces on all types of installed fiber. In a survey commissioned by Fluke Networks, end-face contamination was found to be the leading cause of fiber failures. By inspecting end-faces before mating, this common problem can be prevented.

The portable video microscope projects a crisp, clear image of microscopic debris and end-face damage on both patch cords and inside ports. Quickly determine whether fiber connectors on a hardware device are clean and in good condition without disassembling the device.

The FiberInspector Mini is exceptionally convenient while the full-featured Pro excels with its larger screen, rugged boot and wide array of adapter tips.

FEATURES

- Inspect all types of installed fiber to prevent the #1 cause of fiber failure
- Quickly determines whether fiber connectors on a hardware device are clean and in good condition without disassembling the device
- Contains high-magnification optics that provide crisp, clear images of microscopic debris and end-face damage
- The exceptionally convenient FiberInspector Mini uses a 200x magnification probe sufficient for inspecting both multimode and single-mode fiber
- The full-featured FiberInspector Pro excels with its dual-magnification (250x/400x) probe, large 3.5 in. screen, rugged boot and wide array of adapter tips

Anixter No.	Vendor No.	Description
343307	FT500	FiberInspector Mini video microscope
283138	FT600	FiberInspector Pro video microscope
358648	FT525	FiberInspector Mini video microscope and cleaning kit case
255469	OFTM-5352	FiberInspector Pro for OptiFiber certifying OTDR
299602	OPV-FT600	OptiView fiber inspector

ACCESSORIES

Anixter No.	Vendor No.	Description
239051	NF362	LC video probe adapter tip
261741	NF364	MU video probe adapter tip
283139	NF366	E2000 video probe adapter tip
335848	NF368	1.25 mm universal video probe adapter tip for male ends
341449	NF370	MTP/MPO video probe adapter tip
356762	NF395	APC video probe adapter tip for use with FT600
343308	NFM110	Accessory tip set for FiberInspector Mini (LC, FC and 1.25 mm)
356763	NF390	APC adapter tip for use with FT500

GOLD SUPERVISION SUPPORT

Anixter No.	Vendor No.	Description
283140	GLD-FTINSPECTOR	FiberInspector Pro Gold Support for one year

VisiFault Visual Fault Locator (VFL)

FLUKE NETWORKS



The laser-powered VisiFault visual fault locator (VFL) traces fibers, verifies continuity and polarity, and helps find breaks in cables, connectors and splices. Ruggedly constructed for demanding field-testing and includes a long battery life for hours of use.

FEATURES

- Bright red visible laser light source
- Accelerates end-to-end fiber continuity checks
- Speeds fiber tracing and identification
- Simplifies fiber polarity verification
- Aids in location of fiber faults including tight bends, breaks and bad connectors
- Features continuous and flashing modes
- Rugged case survives drops, impacts and vibrations
- Connects to 2.5 mm standard and 1.25 mm SFF connectors
- Over 40-hour battery life with two AA batteries

Anixter No.	Vendor No.	Description
283141	VISIFAULT	VisiFault visual fault locator with 2.5 mm universal adapter
283142	NF380	Universal adapter for connectors with 1.25 mm ferrules

Fiber Viewers

FLUKE NETWORKS



To ensure your termination is smooth, clean and ready for optical transmission. Rugged microscope with LED illumination available with either 200x or 400x magnification.

Anixter No.	Vendor No.	Description
222056	FT120	FiberViewer 200x
222057	FT140	FiberViewer 400x

Fiber Optic

33-960 Series Micro OTDRs

IDEAL INDUSTRIES



Designed with installers in mind, 33-960 series Micro OTDRs offer excellent performance and ease of use in a truly handheld, lightweight and rugged package. They are ideally suited for the installation and troubleshooting of LAN, campus and WAN fiber networks. Both models combine high measurement precision with the user friendliness of one-button operation resulting in accurate characterization of connectors and splices in addition to fast and reliable fault location. With the Macro Bend detector (MB) option, these OTDRs provide clear pass/fail indication for every link without the cumbersome manual evaluation of traces. This benefits less experienced users by providing clear decision points on whether a line is good or bad.

33-960 SERIES MICRO OTDRS

Anixter No.	Vendor No.	Description
393003	33-960-10	Multimode OTDR with 850/1300 nm
388800	33-960-30	Quad OTDR with 850/1300/1310/1550 nm
393006	33-960-10MB	OTDR kit with Tier 2 certification option and Macro Bend detection, with 850/1300 nm
388823	33-960-30MB	OTDR kit with Tier 2 certification option and Macro Bend detection, with 850/1300/1310/1550 nm
393009	33-960-VP	Video probe with 200x and 400x magnifications

ACCESSORIES

Anixter No.	Vendor No.	Description
393010	1912-00-1621	Cleaning kit
393011	33-960-BP	Rechargeable battery
393012	33-960-KB	Foldable USB keyboard
393014	33-961-10	Adapter for FC connectors
393016	33-961-20	Adapter for SC connectors
393017	33-961-30	Adapter for ST connectors
393019	33-961-40	Adapter for E2000 connectors
393020	33-961-50	Adapter for DIN 47256 connectors
393022	33-961-60	Adapter for HMS-10/AG connectors

VFF5 Visual Fault Finder

IDEAL INDUSTRIES



The economical, re-designed VFF5 visual fault finder is a light source used to locate breaks and misconnections in fiber optic cables. A hand-held battery-powered tool, the VFF5 projects highly visible red light into a fiber optic cable. The VFF5 is equipped with a high-power, extra-long-life, 650 nm laser which operates either in continuous (CW) or modulated mode up to 3 km (2.3 miles) into multimode fiber and 4 km (2.5 miles) into single-mode fiber.

FEATURES

- Finds breaks, faulty splices and crimps, poor components or connections
- Low-cost, basic fiber test tool
- Slim pocket-sized tool (8.7 inch length)
- High-output, Class 2, 650 nm laser diode
- Includes carrying case, lens cap, batteries, lanyard and instruction book
- Rugged new metal body case design with protective Santoprene oversleeve
- Battery powered with improved battery life up to 80 hours in continuous mode
- Universal connector to support ST, SC and FC interface without additional adapters
- Improved mechanical design: resists water, improves grip and prevents rolling
- Improved carrying options: nylon holster and integrated swivel belt-clip

Anixter No.	Vendor No.	Description
198871	VFF5	Visual fault finder, 650 nm red laser

Multimode and Single-mode Fiber Optic Test Set

GREENLEE



These conveniently packaged test sets are used to test, troubleshoot and maintain telco, CATV, LAN and other single-mode/multimode network applications.

FEATURES

- Insertion loss test set for multimode fiber
- 850/1300 nm loss measurements
- Connector for FC, SC or ST
- Rugged package design
- Easy-to-use portable package
- Economically priced

Anixter No.	Vendor No.	Description
329075	5890-FC	Multimode and single-mode fiber optic test set with FC connector
329076	5890-SC	Multimode and single-mode fiber optic test set with SC connector
329077	5890-ST	Multimode and single-mode fiber optic test set with ST connector

Multimode Fiber Optic Test Set

GREENLEE



Designed for the technician to perform installation and maintenance measurements on fiber optic cabling networks.

FEATURES

- Insertion loss test set for multimode fiber
- 850/1300 nm loss measurements
- Connector for FC, SC or ST
- Rugged package design
- Easy-to-use portable package
- Economically priced

Anixter No.	Vendor No.	Description
327977	5670-FC	Multimode fiber optic test set with FC connector
327978	5670-SC	Multimode fiber optic test set with SC connector
327979	5670-ST	Multimode fiber optic test set with ST connector

Microscope

COMMSCOPE-SYSTEMAX SOLUTIONS

Anixter No.	Description	Material ID
182430	Microscope - 100x, with LC adapter	700005887
266003	300B microscope	700008063

Test Equipment Telecom

Sidekick T&N Telecom Tester

GREENLEE



Performs the patented Stress Test which reads audible noise produced on a faulted pair that is stressed by a 90 dBmC excitation. This identifies DC resistive or capacitive imbalances. The patented Leakage Test detects intermittent faults that do not appear under normal VOM tests by using 135 V to "punch through" the oxide layer and reveal a cable fault. The Sidekick Plus includes an RFL and TDR.

FEATURES

- Measures resistance, AC/DC and capacitive kick
- Provides tone for twisted-pair or crossed-conductor identification
- Single setup for testing Tip-Ring, Tip-Ground and Ring-Ground
- Tests loop current, circuit loss, metallic noise, power influence and load coil detection

Anixter No.	Vendor No.	Description
228443	1137-5002	Sidekick T&N
331439	1155-5000	Sidekick Plus

Sidekick 7B Telecom Tester

GREENLEE



The Sidekick 7B determines the stressed noise susceptibility of dry and working pairs.

FEATURES

- Measures resistance, AC/DC and capacitive kick
- Provides tone for twisted-pair or crossed-conductor identification
- Single setup for testing Tip-Ring, Tip-Ground and Ring-Ground
- Minimal drying effect in all ranges
- Field replacement leads
- Soft case with adjustable strand hook
- Low battery indicator light

Anixter No.	Vendor No.	Description
257835	1134-5029	Sidekick 7B

Load Coil Detector

GREENLEE



The Model 88 Load Coil Detector is designed for use on telephone cable by outside plant or central office personnel. Allows telephone personnel to quickly and easily indicate the presence and number of load coils (up to four) on an active or dead cable pair. The detector is lightweight and uses one 9 V battery.

Anixter No.	Vendor No.	Description
102679	88	Load coil detector

TS52 PRO Test Set

FLUKE NETWORKS



Fluke Networks' new TS52 PRO Caller-ID test set features the latest in test set technology. Designed with a superior, radiant liquid crystal display (LCD) user interface, it allows you to see what cannot be heard in any outside plant environment. The back-lit LCD and phosphorescent (glow-in-the-dark) keypad brings light to even the darkest of work environments.

FEATURES

- DataSafe Pro - superior high-impedance monitoring, lockout and override, making you completely safe in any mode
- Display - back-lit LCD and glow-in-the-dark keypad
- DropSafe - passes 20 foot drop test
- DSL/POTS filtering technology - allows technicians to clip on a live DSL line to test POTS service without downing or disrupting data service
- RainSafe - designed for use in rain conditions

FUNCTION

- Data indication - warns when data is present
- Voltage indication - troubleshooting feature to identify potential line problems
- Current (mA) indication - verifies sufficient line current
- Caller-ID - verifies service is functional
- DTMF digit grabbing - isolate faulty customer premise equipment
- Two-way hands-free speakerphone - for true hands-free conversation

Anixter No.	Vendor No.	Description
392770	52801009	TS52 PRO test set with angled bed-of-nails, cord with piercing pin
392771	52801004	TS52 PRO test set, CO with 346A plug

Anixter No.	Vendor No.	Description
392769	52801001	TS52 PRO test set with piercing pin cord
392772	52801R9	TS52 PRO test set with angled bed-of-nails, cord with piercing pin and RJ11 plug

TS44 PRO Test Set

FLUKE NETWORKS



The TS44 PRO Test Set is equipped with new DataSafe PRO Data Protection Technology, high-impedance monitoring, data lockout and lockout override, making you safe in Talk, Monitor or Override mode. Filtering technology allows the technician to draw dial tone on a live DSL/POTS shared line to test the POTS service while protecting the DSL. Features include a two-way hands-free amplified speakerphone; advanced testing functions include low/high voltage and low (mA) current results displayed on an easy-to-read LED.

Anixter No.	Vendor No.	Description
360158	50801001	TS44 PRO test set with piercing pin only
360159	50801009	TS44 PRO test set with ABN
360160	50801004	TS44 PRO test set with 346A plug
360161	50801R9	TS44 PRO test set with ABN and RJ11 plug

TS42 Deluxe Test Set

FLUKE NETWORKS



The TS42DLX test set includes a new ergonomic design, waterproof, DropSafe durability and a three-year warranty. Features a two-way, hands-free amplified speakerphone for true hands-free conversation. Advanced testing functions for low-/high-voltage and low-current (mA) detection are displayed in easy-to-read LEDs.

Anixter No.	Vendor No.	Description
249196	42801009	TS42DLX with ABN
311950	42801004	TS42DLX with 346A plug
305963	42801001	TS42DLX with piercing pin clips

TS25D Test Set with LCD Kit

FLUKE NETWORKS



The new test set includes multiple testing features including data lockout and lockout override making you completely safe in talk or monitor mode. The DSL/POTS filtering technology allows you to safely draw dial tone without downing DSL. A built-in tone generator simplifies wire identification with a probe. An amplified speaker makes monitoring the line hands-free, so you can keep working. The Talk Battery function provides voltage to carry voice conversation on non-powered pairs. All in a compact unit with an oversized robust liquid crystal display (LCD) that makes the intuitive, common-sense menus easy to read and use.

FEATURES

- One-way speakerphone; kit includes earpiece, making the set hands-free
- Caller ID and call waiting Caller ID
- Data lockout detection
- Tone generator
- Continuity test for detecting shorts
- Phonebook
- DTMF digit grabbing to test other equipment for proper DTMF generation
- Row/column tones for single-tone dialing
- High- and low-voltage lockout
- Low-/high-voltage indication digital read out
- Low-current (mA) indication digital read out
- Overvoltage and over-current protection
- Selectable flash and pause duration
- Selectable timeouts to save batteries
- Speed dial (10 memories, 23 digits each)
- Battery level indicator
- ADSL safe

Anixter No.	Vendor No.	Description
262444	25501109	TS25D test set with ABN (includes pouch and earpiece)
262443	25501009	TS25D test set with ABN

Test Equipment

Telecom

TS30 Analog Test Set

FLUKE NETWORKS



With its high-impedance monitor for DataSafe operation, technicians can clip onto a line in monitor mode, without disrupting data.

FEATURES

- New ergonomic design
- DropSafe reliability - passes 20 ft. drop test
- RainSafe protection and weatherproof in severe weather conditions
- Hook-flash button
- Mute switch
- Last-number redial
- Audible ringer for callbacks

Anixter No.	Vendor No.	Description
210860	30800001	TS30 test set with piercing pin clips
196269	30800009	TS30 test set with ABN

TS22 Series Analog Test Sets

FLUKE NETWORKS



The TS22 test set's unique built-in amplified speaker provides three audio levels for hands-free listening and use with automated voice response systems. The TS22 unit offers a combination of reliability, durability and expanded utility.

FEATURES

- Amplified speaker for hands-free monitoring
- DropSafe reliability - passes 20 foot drop test
- RainSafe protection in severe weather conditions
- PBX pause button and mute switch
- Stores nine 18-digit numbers in repertory dialer (speed dialing)
- Last-number redial
- Audible ringer for callbacks

Anixter No.	Vendor No.	Description
097795	22800001	TS22 with piercing pin clip
097790	22800009	TS22 with ABN
097792	22800007	TS22 with ground start cord, basic analog set

TS19 Analog Test Set

FLUKE NETWORKS



The TS19 test set combines all the basic test set features. Its high-impedance monitor prevents accidental disruption of service from clipping onto a data line while in monitor mode, thus ensuring the integrity of critical data lines.

FEATURES

- Tone/pulse operation
- Last-number redial
- Spring-loaded field-replaceable belt clip
- Polarity indication in talk mode
- Two monitor modes
- High-impedance and ringing indication
- Additional line cords available, sold separately

Anixter No.	Vendor No.	Description
153534	19800009	TS19 with ABN
138370	19800003	TS19 with banana jacks and alligator clips

PE900 Series Test Sets

GREENLEE



The PE900 Series telephone test sets are waterproof-tested to an IEC IP67 rating. The PE961 features the DigAlert overvoltage alarm and lockout function to eliminate the danger of damaging or knocking out digital service lines. The new PE961 provides full ADSL compatibility.

FEATURES

- Ten-number speed-dial memory (32 digits each)
- Last-number redial
- Precise hook flash
- Microphone mute
- Audible and visual mode indicators
- Polarity test in any mode

- Unique quick-release belt clip
- Premium cordset with bed-of-nails and piercing pin clips

Anixter No.	Vendor No.	Description
247474	PE930	Adjustable ringer, red
238785	PE945	Two-way hands free, green
244839	PE961	Two-way hands free, DigAlert Lockout, ADSL compatibility

Tele-Mate Test Set

GREENLEE



The PE810 is an affordable solution for technicians needing to troubleshoot communications circuits. The PE830 adds Caller ID, call waiting and multi-language display, and displays line current and voltage.

FEATURES

- Headset included for hands-free operation
- Adjustable volume and built-in ringer
- Continuous line polarity test
- Data safe in monitor mode
- Premium cordset with telco-style clips
- Battery-operated: one 9 V included

Anixter No.	Vendor No.	Description
238755	PE810	Tele-Mate communications test set
267588	PE830	Tele-Mate pro test set

Standard Modular Adapter

FLUKE NETWORKS



These modular adapters provide a quick connect to modular telephone jacks using any standard butt-in test set.

Anixter No.	Vendor No.	Description
041274	10113000	Standard modular adapter

In-line Modular Adapters

FLUKE NETWORKS



The In-line Modular Adapter permits testing on working lines without disrupting service and helps determine whether the trouble is in the phone or in the line. This unit works like the Fluke Networks standard modular adapter, but has the added feature of replaceable test leads.

FEATURES

- Rugged design
- Slanted clips to prevent butt-set clips from disconnecting from the banjo

Anixter No.	Vendor No.	Description
136767	10210100	4-wire in-line modular adapter
249072	10210101	4-wire in-line modular adapter with K-plug
136768	10220100	6-wire in-line modular adapter
249073	10220101	6-wire in-line modular adapter with K-plug
136769	10230100	8-wire in-line modular adapter
249074	10230101	8-wire in-line modular adapter with K-plug
136745	10200000	Replacement modular cord (4 and 6)
136746	10300000	Replacement modular cord (8)

Telephone Line Tester

INDEPENDENT TECHNOLOGIES



A pencil-sized test device for testing analog telephone lines at the connecting block or network interface. This device will check for open line, polarity, AC voltage and dead line. On digital lines, it may or may not show voltage present.

Anixter No.	Vendor No.	Description
102617	3003	Telephone line tester

Test Equipment

T1/WAN Analysis

T-BERD/MTS-6000A with Multi-Services Application Module MSAM for Transport Testing

JDSU



The T-BERD/MTS-6000A with the Multi-Services Application Module (MSAM) provides the industry's most compact and modular multi-function, multi-layer DS1 to 10-Gigabit tester for designing, installing and maintaining carrier-grade networks. The MSAM enables a highly portable test set with the versatility needed to support Ethernet Layers 2-7, SONET/SDH, DSx/PDH, OTN, datacom and Fibre Channel in one platform. With testing capabilities designed for Ethernet Backhaul, Metro Core telecom networks, cable provider switch centers, government telecommunications centers and providers labs, the MSAM is the latest innovation for the award-winning, industry-leading T-BERD/ MTS family of test solutions.

FEATURES

- Layer 2 through Layer 4 comprehensive 10-stream multiple-stream Ethernet testing enabling service activation and application performance modeling for quality of service verification
- Enhanced RFC2544 tests includes frame delay variation, asymmetric rates and concurrent results to reduce overall testing time
- OTN testing supported from OTU1 to OTU2e including SDH and Ethernet clients
- Fibre Channel support includes automated RFC-like scripting test, buffer-to-buffer control verification, FC port and fabric login
- Modular form-factor enables field expandability of test capabilities by adding modules and software test options
- Simultaneous Ethernet, Fibre Channel, and SONET/SDH/ PDH testing from 10 Mbps to 10 Gbps
- Options available for datacom testing for EIA-530, EIA-530A, RS-449/V.36, RS-232/V.24, X.21, V.35, MIL-188C and conditioned diphas serial interfaces

Anixter No.	Vendor No.	Description
441902	TB6000A-1G-10GE-DP	TB6000A 10/100/1000M, GigE, 10GE dual-port package
441903	TB6000A-DC	TB6000A datacom package
441904	TB6000A-DS3-GIGE-DP	TB6000A DS-STs1 and GigE dual-port package
441905	TB6000A-GIGECU-DC	TB6000A 10/100/1000M Ethernet and datacom package
441906	TB6000A-OC12-GIGE-DP	TB6000A DS1-OC12 and GigE dual-port package
441907	FBP-MTS-001	TB6000/MTS probe kit with 200/400X FBP P505 probe with USB adapter, seven tips and case
442386	CTLAYER4	10M-1GE Layer 4 line rate TCP/UDP with automated TCP throughput testing TrueSpeed

Anixter No.	Vendor No.	Description
442387	CT10GLAYER4	10G Layer 4 TCP line rate with automated TCP throughput testing TrueSpeed
442388	CTLSCAPTURE	Packet capture at 1G and 10/100/1000M with WireShark decode and J-Mentor troubleshooting assistant
442389	CT10GCAPTURE	Packet capture at 10G with WireShark decode and J-Mentor troubleshooting assistant
442390	CT1G2GFC	2G/1G Fibre Channel test option
442392	TB6000A-4GFC	4G Fibre Channel with 1310 nm and 850 nm 4G SFPs
442391	CT10GFC	10G Fibre Channel test option

This is a sample of the kits and configurations. For more information, complete package contents, options available or part number configurations, contact your local sales office.

T-BERD/MTS-5800 Handheld Network Tester

NEW!

JDSU



The T-BERD/MTS-5800 handheld network tester is the industry's smallest 10G handheld instrument and supports testing throughout the entire service network life cycle including installation, troubleshooting and maintenance. It is designed for field technicians who must verify network configurations, including network transparency, tunneling, and Ethernet OAM designs, as well as ensuring end-customer service level agreements (SLAs). Integrated J-Complete functionality, such as capture/decode and automated J-Mentor, helps field technicians perform guided troubleshooting without having to carry a separate analyzer instrument.

The T-BERD/MTS-5800 is a cost-effective field instrument that not only covers your test needs of today but also supports the cutting-edge technologies of tomorrow, namely Synchronous Ethernet and 1588v2 PTP.

FEATURES

- Handheld instrument that supports 10G Ethernet, SONET/SDH and PDH testing with fixed interfaces
- Dual-port operation enables performing two tests simultaneously
- Rapid boot-up from power on to start of test
- Wi-Fi for test set connectivity and remote control with VNC
- FiberScope connectivity
- Enhanced RFC 2544, including frame delay variation, asymmetric rates, and concurrent results to reduce overall test time
- Carrier Ethernet testing with link and service OAM (Y.1731), PBB/PBT, MPLS/VPLS, MPLS-TP, VLAN, Q-in-Q and J-Proof Ethernet transparency
- Verify Ethernet synchronization using 1588v2 PTP or G.826x-based Synchronous Ethernet

T1/WAN Analysis

- Line rate packet capture up to 10 Gbps
- Packet decodes with integrated WireShark
- J-Mentor provides expert troubleshooting post-capture analysis

Anixter No.	Vendor No.	Description
442624	TB5801-GIGE	TB5801 with 1GE optical and 10/100/1000 Mbps electrical Ethernet, optics and fiber patch cables
442626	TB5812-1G-10GE	TB5812 with 1GE and 10GE optical and 10/100/1000 Mbps electrical Ethernet, fiber inspection scope, optics and fiber patch cables
442627	TB5802-GIGE-DP	TB5802 dual port with 1GE optical and 10/100/1000 Mbps electrical Ethernet, optics and fiber patch cables
442628	TB5812-1G-10GE-DP	TB5812 dual port with 1GE and 10GE optical and 10/100/1000 Mbps electrical Ethernet, fiber inspection scope, optics and fiber patch cables
442629	TB5802P-DS3-GIGE-DP	TB5802P dual port with DS1/DS3/STS1, 1GE optical and 10/100/1000 Mbps electrical Ethernet, optics, bantam, BNC and fiber patch cables
442630	TB5802P-OC12-GIGE-DP	TB5802P dual port with DS1/DS3/STS1, OC3-12, 1GE optical and 10/100/1000 Mbps electrical Ethernet, optics, bantam, BNC and fiber patch cables
442631	TB5802P-OC48-GIGE-DP	TB5802P dual port with DS1/DS3/STS1, OC3-48, 1GE optical and 10/100/1000 Mbps electrical Ethernet, fiber inspection scope, optics, bantam, BNC and fiber patch cables
442632	TB5812P-OC192-10GE-DP	TB5812P dual port with DS1/DS3/STS1, OC3-192, 1GE and 10GE optical and 10/100/1000 Mbps electrical Ethernet, fiber inspection scope, optics, bantam, BNC and fiber patch cables
442633	C5LSCAPTURE	10/100/1000 Mbps and 1 GigE packet capture test option
442634	C510GCAPTURE	10 GigE packet capture test option
442635	C5LSSYNCE	1 GigE optical Sync-E test option
442636	C510GESYNCE	10 GigE optical Sync-E test option
442637	C5LS1588	10/100/1000 Mbps and 1 GigE IEEE 1588 test option
442638	C5JPROOF	J-Proof Layer 2 transparency test option
442639	C5MPLSVPLS	Ethernet MPLS/VPLS test option
442640	C5MPLSTP	Ethernet MPLS-TP and OAM test option

This is a sample of the kits and configurations. For more information, complete package contents, options available or part number configurations, contact your local sales office.

HST-3000 Handheld Services Tester

JDSU



The growth of converged services has changed the landscape of the telecommunications industry, creating new opportunities and posing new challenges. A need exists to deploy complex, new services to meet the demand for the triple play of voice, video and data, coupled with the challenge to improve customer service and reduce operating expenses. The right set of tools to do the job quickly and effectively is needed to successfully navigate this dynamic new world. The modular platform provides maximum flexibility through software options and field-swappable service interface modules (SIMs) for copper- and fiber-based multi-service testing. As the role of the technician moves beyond the physical layer to testing services and applications, the lightweight, rugged and battery-operated HST-3000 smoothly supports changing test needs. This handheld, modular platform for copper and multi-service testing supports technologies such as Gigabit Ethernet, T1/T3 circuits, serial datacom, DSL copper, POTs and more!

FEATURES

- Industry-leading access network tester with legacy-to-cutting-edge functionality in one handheld platform
- Repeatable, customizable functionality enables technicians to ramp up quicker and resolve more issues daily
- Supports triple-play, FTTH, FTTx, Ethernet, IPv4, IPv6 and TDM network tests
- Enables export of results to a PC or back-office system
- Provides ideal solution for circuit-switch to packet-switch migration

Anixter No.	Vendor No.	Description
362090	HST-PKG1	HST-PKG1 Basic ADSL2 +
362091	HST-PKG2	HST-PKG2 copper/ADSL2 + loaded
362092	HST-PKG3	HST-PKG3 basic copper
362093	HST-PKG4	HST-PKG4 advanced copper upgrade
441760	HST-PKG5	HST-3000 package for T1
441761	HST-PKG6	HST-3000 package for T1 + ISDN PRI
441762	HST-PKG7	HST-3000 package for T1 and T3
441763	HST-PKG8	HST-3000 package for T1, T3 and ISDN PRI
441767	HST-PKG9	HST-3000 pkg. for copper, T1 and ISDN PRI
441768	HST3000-ETH-P3	Optical Ethernet gold package
441796	HST3000-ETH-P1	Electrical Ethernet nest value package
441802	HST3000S-VOIP	Addition of VoIP software option to HST3000

This is a sample of the kits and configurations. For more information, complete package contents, options available or part number configurations, contact your local sales office.

Test Equipment

T1/WAN Analysis

SmartClass Ethernet

JDSU



The SmartClass Ethernet product is an easy-to-use, cost-effective Ethernet testing solution for basic physical layer cable testing, Layer 2 and Layer 3 traffic generation and full RFC 2544 testing. The rugged, battery operated, application specific test tool enables field technicians to turn-up Ethernet and IP services by running an RFC 2544 test or following a set of methods and procedures. The product has been designed for front-line technicians who do not have experience dealing with emerging Metro Ethernet technologies and need a simple to use solution for Ethernet and IP testing. The SmartClass product comes in two major configurations, one a loopback only device and the other featuring full traffic generation.

FEATURES

- Measures QoS parameters including throughput, jitter, latency and error ratio
- Checks VLAN/Q-in-Q-based next generation networks
- Supports 10/100/1000 Mbps testing
- Completely qualifies Ethernet and IP circuits

Anixter No.	Vendor No.	Description
396372	CSC-ETHLP-P1	Electrical only loopback configuration
396373	CSC-ETHLP-P2	Optical and electrical loopback configuration
396374	CSC-ETHLP-P3	Optical and electrical loopback with accessories
362089	CSC-ETHTR-P1	Electrical traffic configuration
362088	CSC-ETHTR-P2	Optical and electrical traffic configuration
362087	CSC-ETHTR-P3	Optical and electrical traffic with accessories

For more information and part number configurations, contact your local sales office.

SmartClass T1

JDSU



The SmartClass T1 product is an easy to use, cost-effective T1 testing solution for basic BERT, pulse shape, timing slips and jitter testing. The rugged, battery operated, application specific test tool enables field technicians to turn-up T1 services quickly and efficiently. The product has all standard and advanced test patterns including Bridgetap and Multipat as well as built-in loop codes including intelligent line equipment. The SmartClass product comes in one package containing user manual, batteries, wall charger, USB cable and test cord for out of the box testing.

FEATURES

- Full/fractional T1
- Auto framing and pattern
- Round trip delay measurement
- VF tone/frequency/level
- VT-100 emulation
- 3 in. color display

Anixter No.	Vendor No.	Description
421330	SC-T1-P2-DIST	SmartClass T1 test set with accessories

635 QuickBERT-T1

FLUKE NETWORKS



The 635 QuickBERT is a quick and easy-to-use test set for those who provide and use T1 services. After connecting the 635, service technicians can verify facility integrity, configuration parameters and general performance. For quick and easy troubleshooting, this tester automatically synchronizes and verifies DS1 bit error performance, frequency and level.

635 QUICKBERT TESTER MODELS

Anixter No.	Vendor No.	Description
215850	635	QuickBERT-T1 tester

ACCESSORIES

Anixter No.	Vendor No.	Description
221910	633/635-KIT	Cable kit

CopperPro Series II Broadband Loop Tester

FLUKE NETWORKS



Quickly clarify the facilities for ADSL, VDSL, HDSL, T1 and other special services with the CopperPro Series II Broadband Loop Tester. Building on the popularity of the original CopperPro, the CopperPro series II broadband loop tester is a complete solution for locating faults (TDR and RFL), troubleshooting and qualifying OSP copper cables and network services. Includes carry case, test leads, 12 V and 120 V chargers, wire gauge and strapping cord.

Anixter No.	Vendor No.	Description
346688	990DSL2+	CopperPro Next Gen copper loop analyzer with TDR and wideband spectral analysis for ADSL2+
346689	990VDSL	CopperPro Next Gen copper loop analyzer with TDR and wideband spectral analysis for VDSL
243955	990DSL	Series I POTS only loop tester
250480	990DSLWT	Series I loop tester with wideband and TDR

Test Equipment

Electrical

80 Series V and 280 Series Multimeters

FLUKE INDUSTRIAL ELECTRONICS



80 SERIES V MULTIMETERS

The new 80 Series V has improved measurement functions, troubleshooting features, resolution and accuracy to solve more problems in electronics, plant automation, power distribution and electro-mechanical equipment.

Anixter No.	Vendor No.	Description
286163	FLUKE-87-5	High-performance true RMS industrial DMM

280 SERIES DIGITAL MULTIMETERS

The Fluke 287 is the next-generation high-performance, true RMS electronic logging multimeter, designed for the changing needs of today's professionals involved in the R&D, maintenance, manufacture and design of electronic circuits or systems. Advanced features combined with a true RMS, 50,000-count, 1/4 VGA dot matrix display. TrendView lets you graphically view logged readings without needing a PC. The Fluke 289 is designed to meet the challenges of today's industrial and field-service professionals involved in the installation, maintenance or support of facilities or critical systems. The Fluke 289 comes with a built-in data logger to record measurements unattended. Recorded data can be viewed on the meter in TrendView or transferred to a PC with optional FlukeView forms software. The Fluke 289 is Fluke's best DMM, combining advanced features with a true RMS, 50,000-count dot matrix display.

Anixter No.	Vendor No.	Description
352143	FLUKE 287	True RMS electronic multimeter with TrendView
352144	FLUKE 289	True RMS industrial logging multimeter with TrendView

ACCESSORIES

Anixter No.	Vendor No.	Description
256199	TL220	Industrial test lead set
011030	TL75	Replacement test leads
254603	TL81A	Deluxe electronic test lead set
305702	I400	AC current clamp
226813	FVF-SC2	FlukeView forms software and IR interface cable (for 280 Series only)
241914	TPAK	ToolPak magnetic meter hanging kit
130925	C25	Soft vinyl case

490 Series Industrial Grade Multimeters

IDEAL INDUSTRIES



The IDEAL 490 series are industrial-grade high-performance, data logging multimeters to measure AC/DC voltage, resistance, continuity, capacitance, frequency, temperature and true RMS. These troubleshooting features, 20,000 count resolution and accuracy help solve problems in electrical equipment, plant automation, electronics and power distribution. Software and USB cable are included. #61-498 has 0.015 percent DCV accuracy and #61-497 has 0.03 percent DCV accuracy.

FEATURES

- True RMS
- Analog bar graph
- Auto/manual ranging
- 20,000 count high-resolution mode
- Capacitance, frequency and temperature
- CAT III 600 V
- Low battery indicator
- Carrying case included
- Two-year warranty

Anixter No.	Vendor No.	Description
442118	61-497	Multimeter, true RMS, data logging, software and cable (0.03 percent DCV accuracy)
442120	61-906	ProVision II software
442122	61-498	Multimeter true RMS, data logging, software and cable (0.015 percent DCV accuracy)

70 and 170 Series Digital Multimeters

FLUKE INDUSTRIAL ELECTRONICS



The Fluke 170 Series true RMS multimeters are a family of rugged DMMs featuring true RMS AC voltage and current measurement, frequency and capacitance, in addition to standard multimeter functions. Models 177 and 179 add a backlit display and the 179 has temperature measurements with CAT IV 600 V, CAT III 1,000 V safety ratings. The 170 Series carries a limited lifetime warranty and comes equipped with right-angle test leads, manual, battery and fuses (battery and fuses installed). The Fluke 179/TPK Combo Kit bundles the 179 together with a magnetic hanging kit at a savings. The Fluke 179/1AC-II Combo Kit bundles a durable carrying case, industrial test lead set, VoltAlert voltage indicator and 179 DMM at an exceptional value.

70 SERIES DIGITAL MULTIMETER

Anixter No.	Vendor No.	Description
338714	FLUKE 77-4	Industrial multimeter, 1,000 V CAT III

170 SERIES DIGITAL MULTIMETERS

Anixter No.	Vendor No.	Description
240685	FLUKE-179ESFP	True RMS multimeter with 1,000 V backlit display and temperature

ACCESSORIES

Anixter No.	Vendor No.	Description
256199	TL220	Industrial test lead set
011030	TL75	Replacement test leads
254603	TL81A	Deluxe electronic test lead set
305702	I400	AC current clamp
241914	TPAK	ToolPak magnetic meter hanging kit
130925	C25	Soft vinyl case

361 Contractor-grade Multimeter

IDEAL INDUSTRIES



The IDEAL #61-361 is a contractor-grade multimeter with true RMS, AC/DC voltage and current, capacitance, temperature and frequency. These troubleshooting features

help solve problems in electrical equipment, plant automation, electronics and power distribution.

FEATURES

- Manual ranging
- Phase rotation
- Peak min./max.
- Relative mode
- Audible continuity
- Rugged construction
- Auto power off and low battery indicator
- Probe holder and rubber boot with tilt stand
- Overload protection on all ranges
- CAT III 1000 V
- Two-year warranty

Anixter No.	Vendor No.	Description
442125	61-361	361 multimeter with true RMS and test leads

340 Series TestPro Multimeters

IDEAL INDUSTRIES



The IDEAL 340 series are affordable multimeters with AC/DC voltage and current, capacitance, temperature and frequency. The large numbers and symbols are easy to read on the oversized display. These meters troubleshoot electrical circuits, equipment, electronics and power distribution. The #61-342 adds true RMS.

FEATURES

- Auto/manual ranging
- Peak min./max.
- Relative mode
- Data hold
- Auto power off and low battery indicator
- Probe holder and rubber boot with tilt stand
- Overload protection on all ranges
- CAT III 600 V
- Two-year warranty

Anixter No.	Vendor No.	Description
395743	61-340	Multimeter, true RMS
388068	61-342	Multimeter, true RMS, backlight data acquisition

Test Equipment Electrical

SureTest Circuit Analyzers

IDEAL INDUSTRIES



FEATURES

- Super bright display
- Measures voltage drop under load (12 A, 15 A, 20 A load tests)
- Estimates load on line (ELL) up to 15 A
- True RMS
- Line voltage
- Peak voltage
- Frequency
- Ground to neutral voltage
- Ground impedance
- Hot and neutral conductor impedances
- Identifies proper wiring in 3-wire receptacles
- Identifies false (bootleg) grounds
- Tests GFCIs (6-9 mA) and EPDs (greater than 30 mA) for proper operation
- Conducts testing without disturbing sensitive loads
- Verifies isolated ground (with 61-176 adapter)
- Two-year warranty
- Includes carrying case and one-foot extension cord

Anixter No.	Vendor No.	Description
370350	61-164	SureTest circuit analyzer
442130	61-165	SureTest circuit analyzer – tests AFCIs wiring tests for shared neutrals

OPTIONAL ACCESSORIES

Anixter No.	Vendor No.	Description
370351	61-175	Ground continuity adapter
370352	61-176	Isolated ground adapter
370353	61-183	Alligator clip adapter

Open/Closed Circuit Tracers

IDEAL INDUSTRIES



FEATURES

- Exclusive, super-bright rotating display
- Identifies breakers and fuses
- Pinpoints opens and shorts
- Traces wires
- 0-99 display of signal strength
- Audible intensifies in tone/pitch
- Can be used on circuits 0-600 V AC/DC
- Works on energized or de-energized circuits
- Various modes of sensitivity - search high, search low, trace and breaker
- Peak bar graph
- Two-year warranty

Anixter No.	Vendor No.	Description
388825	61-956	Open and closed tracer with rotating OLED display, transmitter and test lead set
388826	61-958	Open and closed tracer with ground clamp and battery pack

Infrared Thermometer

FLUKE INDUSTRIAL ELECTRONICS



The Fluke 62 Mini non-contact thermometer is the perfect introduction to infrared (IR) thermometers for the professional. With the best accuracy in its class, the Fluke 62 Mini offers quick and reliable surface temperature readings. This compact and portable tool enables professionals to diagnose heating problems in electrical and mechanical systems and monitor the temperature of electrical motors and electrical panels without contact. The Fluke 62 Mini thermometer makes troubleshooting quick and easy. The single dot laser sighting system allows users to target measurements in less than a second; the large temperature display provides current and max. surface temperatures. The protective boot and ergonomic grip make the Fluke 62 Mini the choice model in its class for use in a work environment. The Fluke 62 comes with a storage pouch and carries a two-year Fluke warranty.

Anixter No.	Vendor No.	Description
311896	FLUKE-62	Hand-held infrared thermometer

Infrared Thermometer

IDEAL INDUSTRIES



The IDEAL infrared (IR) thermometer is the non-contact way to make safe and quick temperature checks on mechanical equipment, electrical circuits and building systems while in operation. Regular monitoring of heat (infrared energy) emitted from surfaces can prevent potential problems and failures.

FEATURES

- Measurement range of -76 to 932 degrees F (-60 to 500 degrees C)
- Holds and displays the maximum temperature measured
- Single-spot laser sighting
- Distance to spot ratio 12:1
- Maximum, minimum, difference and average temperature displays
- Programmable high-alarm and low-alarm settings with audible warning
- Supports K-type thermocouple (not included)
- Adjustable emissivity
- Backlit display
- Two-year warranty

Anixter No.	Vendor No.	Description
386652	61-685	Infrared (IR) thermometer, carrying case
442116	61-461	K-type thermocouple accessory

Laser Distance Meters

FLUKE INDUSTRIAL ELECTRONICS



Instant measurement with one-button operation using an easy targeting bright laser with these distance meters. Quickly calculate area, volume and add/subtract measurements. Two-year warranty.

FEATURES

- Range: 0.1 m to 30 m (0.33 ft. to 100 ft.)
- Laser class II
- Automatic power off after 180 seconds
- Continuous measurement

- Temperature range: +0 degrees C - 40 degrees C (32 degrees F - 104 degrees F)
- Two AAA batteries

Anixter No.	Vendor No.	Description
421931	FLUKE-411D	Measure up to 30 m (100 ft.) with 3 mm (1/8 in.) accuracy. Battery life up to 3,000 readings
442837	FLUKE-416D	Measure up to 60 m (200 ft.) with 1.5 mm (1/16 in.) accuracy. Battery life up to 5,000 readings. Improved visibility with backlit display, min./max. function, spraywater and dust resistant
442838	FLUKE-421D	Measure up to 100 m (330 ft.) with 1.5 mm (1/16 in.) accuracy. Battery life up to 5,000 readings. Improved visibility with backlit display, min./max. function, spraywater and dust resistant. Audible feedback for taking room angle and incremental measurements, +/- 45 degree tilt for talking indirect measurements in hard-to-reach areas

Earth Ground Clamp

FLUKE INDUSTRIAL ELECTRONICS



The Fluke 1630 earth ground clamp is able to measure ground loop resistance using the stakeless method. This test technique eliminates the dangerous and time consuming activity of disconnecting parallel grounds, as well as the process of finding suitable locations for auxiliary ground stakes. You can also perform earth ground tests in places you have not considered before: inside buildings, on power pylons or anywhere you don't have access to soil.

With the stakeless testing method, the Fluke 1630 earth ground clamp is placed around the earth ground rod or the connecting cable. No earth ground stakes are used at all. A known voltage is induced by one half of the clamp and the current is measured by the other half. The tester automatically determines the ground loop resistance at this grounding connection. Gone are the days of spending time placing and connecting stakes for each earth ground rod on your system. A major time saver.

Anixter No.	Vendor No.	Description
372925	FLUKE-1630	Earth ground clamp

Test Equipment

Electrical

Ground Resistance Clamp Meter

IDEAL INDUSTRIES



The IDEAL 920 series ground resistance tester enables users to test grounding systems without disconnecting the ground, saving both time and effort. By simply clamping around the grounding rod or ground conductor, it provides direct measurements of both ground resistance and ground leakage current.

FEATURES

- Simple clamp-on operation
- Ground resistance measurements up to 1,200 ohms
- Ground leakage current up to 30 A AC
- Noise check function
- Auto ranging
- Accommodates conductor size up to 1.25 in. (32 mm) 1,000 MCM cable
- Memory saves up to 99 readings
- Data hold
- Audible continuity buzzer
- Auto power off with alarm
- Backlight
- Audible resistance alarm
- Double reinforced insulation
- Includes protective case, calibration loop, user manual and four AA batteries

Anixter No.	Vendor No.	Description
388827	61-920	Ground resistance clamp meter

Process Meters

FLUKE INDUSTRIAL ELECTRONICS



FLUKE 789 AND ACCESSORIES

Fluke 789 has a 24 V loop supply reducing the need for taking a separate power supply when doing offline transmitter testing. And with its built-in selectable 250 ohm Hart resistor, it also eliminates the need to carry a separate resistor with you. Now process technicians can do a lot more while carrying a lot less.

Anixter No.	Vendor No.	Description
371790	FLUKE-789	Process meter
256199	TL220	Industrial test lead set
371792	TL238	Test lead set for high-energy environments
130925	C25	Soft vinyl case
241914	TPAK	ToolPak magnetic meter hanging kit

FLUKE 787

The Fluke 787 combines a DMM and a loop calibrator to give process technicians double the power in one tool. The Fluke 787 ProcessMeterT puts a complete troubleshooting solution in the palm of your hand. It gives you the measurement capabilities plus the ability to source, simulate or measure DC current with 1 microamp resolution and accuracy of 0.05 percent.

Anixter No.	Vendor No.	Description
371791	FLUKE-787	ProcessMeterT

Milliamp Process Clamp Meter

FLUKE INDUSTRIAL ELECTRONICS



Measure 4-20 mA signals without breaking the loop with this new, compact clamp meter for PLC and control systems analog I/O. The detachable clamp with extension cable allows you to take measurements in tight locations and the built-in spot light illuminates hard to see wires in dark enclosures.

Anixter No.	Vendor No.	Description
372945	FLUKE-771	Milliamp process clamp meter
421796	FLUKE-772	Find defective signals and troubleshoot mA source/simulate

Industrial Clamp Meters with iFlex

FLUKE INDUSTRIAL ELECTRONICS



Customers face these issues daily: tight cabinets and bundled wires that make it difficult to use a regular clamp meter, large or awkward conductors a regular clamp meter can't get around to measure, needing a co-worker's help to get a measurement or wanting to measure more than 1,000 A AC.

The Fluke 33X series address all of these common problems and reduces customers' frustrations with quality and accuracy.

Anixter No.	Vendor No.	Description
442413	FLUKE-381	Remote display 1,000 A true RMS clamp meter with iFlex
431862	FLUKE-376	1,000 A true RMA AC/DC clamp meter with iFlex
442414	FLUKE-375	600 A true RMS AC/DC clamp meter, iFlex optional with increased resistance range and frequency measurement
442415	FLUKE-374	600 A true RMS AC/DC clamp meter, iFlex optional with inrush measurement
442416	FLUKE-I2500-18	2500A iFlex probe, 18 in.
442417	FLUKE-I2500-10	2500A iFlex probe, 10 in.

Insulation Meter

IDEAL INDUSTRIES



The IDEAL #61-797 digital insulation meter is the tool needed to determine whether the insulation is performing at an effective and safe level. It verifies the integrity of insulation in cables, motors and other devices to keep current flowing safely through the copper conductor. The meter identifies capacitive, absorption and leakage current, helping to prevent problems before they result in injury or equipment failure. This tester is rugged and built for industrial and commercial applications.

FEATURES

- Test voltages at 50/100/250/500/1,000 V
- Insulation resistance - up to 20G ohms
- Earth-bond resistance - 0.01 ohms to 40k ohms
- Automatic calculation of PI and DAR
- Auto sensing AC/DC voltage to 600 V
- Low pass filter - filters out high-frequency noise
- Earth-bond resistance
- Test inhibition if > 30 V
- Digital reading with analog arc
- Compare pass/fail mode
- Remote test probe
- Store/recall memory
- Auto discharge and auto power off
- Backlit display - auto sensing
- Low battery indication
- Carrying case included
- CAT IV 600 V
- Two-year warranty

Anixter No.	Vendor No.	Description
386653	61-797	Digital insulation meter

Test Equipment

Power Quality

3-phase Power Quality Analyzer

FLUKE INDUSTRIAL ELECTRONICS



The Fluke 435 3-phase power quality analyzer helps you locate, predict, prevent and troubleshoot problems in the 3- and single-phase power distribution systems. Troubleshooting is faster with onscreen display of trends and captured events, even while background recording continues. The IEC standards for flicker, harmonics and power quality are built right in to take the guesswork out of power quality.

Anixter No.	Vendor No.	Description
372931	FLUKE-435/003	Logging power 3-phase power quality analyzer

ACCESSORIES

Anixter No.	Vendor No.	Description
372933	I2000FLEXPQ4	Current clamp, 4-pack
372934	I400S	AC current clamp
372935	I430-FLEX	Flex current clamp
372937	I430-FLEX-4PK	Flex 4-pack
372938	I5SPQ3	5 A AC current clamps

3-phase Power Analyzer

IDEAL INDUSTRIES



The IDEAL #61-807 power quality analyzer is a versatile and easy-to-use tool that will record everything you need for energy, power and power quality measurement. The unit measures and analyzes power quality on all single- and 3-phase electrical systems. Instantaneous readouts of current, voltage, power and harmonics including tables, bar graphs and even individual waveforms make job site data interpretation easy. With a real-time clock and 1 MB data logging memory, the power analyzer stores data that can be downloaded to a personal computer for in-depth analysis using PowerVision software.

PowerVision software provides automatic generation of useful tables and graphs. Files are easily downloaded from the #61-807 unit. It provides multiple ways to view basic and detailed information, allowing you to create custom graphs, charts, and tables. Compare up to 12 variables simultaneously. Easily scroll through, expand and collapse

data over time. Compare data from multiple files to show before and after studies. Data can be exported into Excel or Word reports. Highly trained technical support people are always a phone call away.

FEATURES

- True RMS
- Single- or 3-phase measurements
- Data logging (1 MB memory)
- Up to one month of recording time
- Four channels for voltage measurements
- Four channels for current measurements
- Auto ranging
- Min./max./average
- Energy and harmonics program
- Lightweight, portable design
- User selectable - FIFO or fill and stop memory
- Programmable trigger-points and start/stop time
- Intelligent battery charging system
- Easy set-up
- 600 V CAT III rated
- Two-year warranty

POWER ANALYZERS

Includes set of three 1,000 A AC clamps (61-811), voltage leads with alligator clips (TL-806), power supply with RS-232 interface and cables, PowerVision analysis software, demonstration CD and instructions, protective carrying case

Anixter No.	Vendor No.	Description
370782	61-807	Has four current channels and backlit display. Includes part no. 61-813 100 A AC neutral clamp

ACCESSORIES

Anixter No.	Vendor No.	Description
370821	61-813	One 100 A AC neutral clamp
442393	61-457	200/2,000/20,000 A AC flexible clamp adapters (set of three)

Power Quality Analyzer

FLUKE NETWORKS



The Fluke 43 power quality analyzer performs the measurements you need to maintain power systems, troubleshoot power problems and diagnose equipment failures. All in a rugged hand-held package.

Anixter No.	Vendor No.	Description
355841	FLUKE-43B/003	Power quality analyzer

ACCESSORIES

Anixter No.	Vendor No.	Description
365503	TLK-225	SureGrip master accessory kit
372927	11000S	AC current probe

3-phase Power Recorder

FLUKE INDUSTRIAL ELECTRONICS



Record the 3-phase power quality and monitor for power quality disturbances with the Fluke 1750 power recorder and the Fluke power analyze software. Three power meters automatically record every power quality parameter and event, on every cycle, all the time.

Anixter No.	Vendor No.	Description
372941	FLUKE-1750	3-phase power recorder

Voltage Performance Monitor (VPM)

IDEAL INDUSTRIES



The IDEAL #61-830 VPM identifies only those voltage conditions that can damage equipment or cause equipment failure. Poor voltage quality costs money. Undiscovered voltage problems increase facility expenses, warranty costs and downtime plus shortens the life of equipment.

FEATURES

- Monitor voltage near sensitive equipment
- Real-time true RMS voltage, frequency and harmonics monitoring
- Logs voltage sags, swells and impulses
- Measures percentage THD and logs periods over three percent (line to neutral)
- Selectable thresholds based on the most accepted international standards, defaults to ITIC (Information Technology Industry Curve)
- Custom programmable event thresholds
- Invertible display, when it is necessary to plug in upside down
- Two-year warranty
- Includes set of four adapters and carrying case

APPLICATIONS

Installation and service technicians - monitor voltage at point of equipment connection

Electricians - eliminate guesswork on service calls

Building maintenance technicians - identify voltage-caused equipment failures

Equipment manufacturers - eliminate unnecessary warranty costs

Hospital/IT maintenance engineers - monitor voltage quality to critical equipment

Anixter No.	Vendor No.	Description
370341	61-830	Voltage performance monitor
370343	61-2004	Kit with one SureTest 164, four voltage performance monitors 61-830 and softcase C-2004

Power Quality Clamp Meter

FLUKE INDUSTRIAL ELECTRONICS



The Fluke 345 power quality clamp meter is the tool for servicing and commissioning electronic switching loads such as drives and UPS systems. The practical clamp-on design quickly displays the most common power quality parameters. For long-term applications, the Fluke 345 records parameters for viewing onscreen or with included power log software.

Anixter No.	Vendor No.	Description
342837	FLUKE-345	Power quality clamp meter

Test Equipment

Power Quality

TightSight 660 A/1,000 A Clamp Meters with Bottom Display

IDEAL INDUSTRIES



This new improved complete line of industrial clamps IDEAL designed was to set a new standard for safety and performance. It starts with the revolutionary TightSight display. It allows the user to keep his head and face out of potentially dangerous situations while viewing the instrument. The high-voltage indicator indicates the presence of voltage through the test leads even with the dial set to the wrong function. The units have a CAT IV safety rating, rugged construction and UL listing.

FEATURES

- TightSight bottom display
- Selectable audible and visual voltage alerts on AC/DC voltage functions
- Bright bold backlit display with large numbers and symbols
- Tapered jaws with hook tip
- Capacitance
- AC/DC voltage
- Measures AC current
- High frequency rejection
- Resistance
- Max./min. hold
- Peak hold
- Audible continuity
- Selectable auto power off
- Data hold
- Low battery indicator
- Two-year warranty

660 AMP CLAMP METERS WITH TIGHTSIGHT BOTTOM DISPLAY

Anixter No.	Vendor No.	Description
386655	61-763	660 amp TightSight, true RMS, capacitance frequency
386656	61-765	660 amp TightSight, true RMS, AC/DC current

1000 AMP CLAMP METERS WITH TIGHTSIGHT BOTTOM DISPLAY

Anixter No.	Vendor No.	Description
386910	61-773	1,000 amp TightSight, true RMS
421435	61-775	1,000 amp TightSight, true RMS, AC/DC current capacitance

ClampPro 600 amp Clamp Meter

IDEAL INDUSTRIES



FEATURES

- Measures up to 600 A AC
- Non-contact voltage indicator (70 V-600 V AC)
- Tapered jaws with hook-up
- Auto/manual ranging
- Data hold
- Auto power off
- Low battery indicator
- Two-year warranty

Anixter No. Vendor No.
388824 61-744

Description
600 amp, compact size with NCV

Thermal Imaging

HeatSeeker Thermal Imagers

IDEAL INDUSTRIES



Troubleshoot and identify potential problems before they happen with the IDEAL HeatSeeker thermal imagers. Two cameras are now available to cover a wider range of applications. Cursors instantly locate the hottest and coldest temperature on a live screen. Both cameras have the ability to overlay a thermal image on top of a digital image for easy on-the-job decision making. The easy setup and operation of the HeatSeeker make it a cost-effective tool for electrical service, industrial maintenance, building inspection and data center applications.

FEATURES

- Blended thermal and digital image
- Hottest/coldest temperature displayed instantly on live screen
- 1,849 temperature measurements live on camera screen
- Class II laser for view centering
- Built-in LED light for working in dark environments
- High- and low-temperature alarms
- Mark images with text and voice annotation
- Sequence image recording up to every hour
- Sequence image recording activated by alarm settings
- Measurement range of 14 degrees F to 662 degrees F (#61-844)
- Measurement range of 14 degrees F to 482 degrees F (#61-846)
- Cursors - two moveable on #61-844 and four moveable (with independent emissivity settings) on #61-846
- Field of view - 20 x 20 on #61-844 and 20 x 15 on #61-846
- Focal Plane Array - 2,209 pixels (47 x 47) on #61-844 and 19,200 pixels (160 x 120) on #61-846

- Accuracy of +/- 2 percent or +/- 2 degrees C
- Six-hour battery life
- Power - internal rechargeable Li-Ion battery on #61-844 and field replaceable rechargeable Li-Ion battery on #61-846
- Tripod mountable
- Carrying case and ThermalVision PC software included
- Two-year warranty

HEATSEEKER THERMAL IMAGERS

Anixter No.	Vendor No.	Description
386651	61-844	HeatSeeker thermal imager, carrying case, power supply, removable-handle, ThermalVision PC software and USB cable
434500	61-846	HeatSeeker 160 thermal imager, carrying case, power supply, removable-rechargeable battery, ThermalVision 160 PC software and USB cable

ACCESSORIES

Anixter No.	Vendor No.	Description
386657	61-844CAR	Car charger for #61-844
393000	61-844LS	Light shade for #61-844 and #61-846
442115	61-846CAR	Car charger for #61-846
442394	61-846BAT	Removeable/rechargeable battery
442395	61-846DT	Desk top charger
442396	61-846HC	Hard transport case



Your Source for Your Data Center Infrastructure Needs

Electrical Infrastructure

- 5–15 kV power cable (1)
- Building wire (2)
- Power whips (3)
- Low-voltage cable (4)
- Grounding and bonding (5)
- Flexible battery cable
- Innerduct and conduit
- Wire ties and labeling
- Lugs and connectors
- Bare copper

Network Infrastructure

- High-performance copper and fiber cabling systems (6)
- Racks and cabinets (7)
- Cable runway and raceway (8)
- Building entrance protection (BEP) (9)
- Wireless Ethernet (10)
- Switches and routers
- KVM solutions
- Media converters
- Power over Ethernet
- Power and asset management
- Transmission and access products
- Test equipment and tools
- Cable management
- Intelligent infrastructure management (IIM)

Security Solutions

- Access control (11)
- Asset tracking (12)
- Cabinet-level electronic locking (13)
- Video surveillance (14)
- Perimeter detection (15)
- Intercom, sound and paging
- Security consoles, racks and cabinets
- Video monitors
- Architectural hardware
- Key systems/key control

Power and Cooling Solutions

- High airflow dispersion floor tiles (16)
- Rack-mount power distribution (17)
- Uninterrupted power supplies (UPS) (18)
- Thermal management: passive, hot and cold aisle containment, in-row closed coupled and precision cooling solutions
- Network and environmental monitoring
- Power surge and transient voltage surge suppression (TVSS) protection

