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PRECISION INSTRUMENTS

PRODUCT GUIDE R0613

REED INSTRUMENTS

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CALIBRATION & REPAIR SERVICES

We service and calibrate your REED instruments.

Our skilled technicians offer you the benefit of experience,
as well as valuable technical support for all your calibration
and repair service needs.

ACCREDITED CALIBRATION CERTIFICATION

Order your calibration certificate when
you place your order. Each certificate is
traceable to a primary standard or
NIST/NRC-traceable instrument; including
information about model no., serial no., ambient conditions,
date calibrated, calibration due date, and much more!

ISO 9001:2008
ACCREDITED CALIBRATION AVAILABLE
CERTIFICATION

1 YEAR REED WARRANTY

We are proud to offer our
customers with quality products
at economical prices. We back it
up with standard 1 year warranty
on every REED product.

COMBUSTIBLE GAS DETECTOR

Features
- Heated semiconductor gas sensor
- Gases sensed: gasoline, propane, natural gas or fuel oil
- High-Low sensitivity selector
- Detects leaks as small as 5ppm of gasoline
- Ambient concentration reset function
- Audible and visual leak indications
- 400mm (15.5") flexible stainless steel probe
- Includes reference leak source, batteries & carrying case

Specifications
Sensitivity: Variable, as low as 5 ppm (gasoline)
Alarm Settings: 7 LED tricolour bar indicator;
variable intensity audible alarm

MODEL NO.	DESCRIPTION	PRICE
C-383	Combustible Gas Detector	$249

COMBUSTIBLE GAS DETECTOR

Features
- Detects a wide variety of gases, including some toxic gases and nuisance vapors
- Following is a partial list of the more common gases detected: Natural Gas; Propane; Butane; Methane; Acetone; Alcohol; Ammonia; Steam; Carbon Monoxide; Gasoline; Jet Fuel; Hydrogen Sulfide; Smoke; Industrial Solvents; Lacquer Thinner; Naphtha
- Precision semi-conductor sensor detects even the smallest leaks
- Audible (variable tick rate) and visible indications help to pinpoint leak sources
- Adjustable sensitivity helps to eliminate background gas concentrations in contaminated environments
- Includes earphone jack for noisy environments

Specifications
Sensitivity: 50 ppm methane
Alarm Limit: At 10% LEL for methane (can be calibrated for other concentrations or gases up to 40% LEL)

MODEL NO.	DESCRIPTION	PRICE
GD-3300	Combustible Gas Detector	$129
TGS2611-COO	Replacement Sensor Tip	$39

CARBON MONOXIDE METER

Features
- Utilizes a stabilized electrochemical gas specific fast response sensor
- Audible alarm starts at 35ppm
- Max, Data hold and Auto shut off
- Backlit LCD display
- Complete with 9V battery and carrying case
- Measuring Range: 1 to 1000 ppm

MODEL NO.	DESCRIPTION	PRICE
CO-180	Carbon Monoxide Meter	$220

REFRIGERANT LEAK DETECTOR

Features
- Detects and pinpoints even small leaks of refrigerant gases
- Semiconductor gas sensor utilizes ionization detection
- Detects all halogenated refrigerants
- Microprocessor control with advanced digital signal processing
- Audible and visual leak indications (buzzer and tricolour LED bar indicator)
- No user calibration required
- 390mm (15") flexible stainless probe
- Includes reference leak source, batteries and carrying case

Specifications
Gases Sensed: CFCs: R11, R12, R13; HCFCs: R22, R502, R500; HFCs: R134a, R123, R125, R23, R404A, R407C, R410A and other halogen based compounds
Sensitivity: R22, 134a: Hi 6g/year, L: 30g/year
R404A, 407C, 410A: Hi 8g/year, L: 40g/year

MODEL NO.	DESCRIPTION	PRICE
C-380	Refrigerant Leak Detector	$219
R-134A	Replacement Sensor	$65
LC-R01	Replacement Reference Leak Source	$22

MICROWAVE LEAKAGE DETECTOR

Features
- Detect very low levels of microwave leakage
- Audible (beep) and visual (flashing red light) alarm signals
- Highly visible 5-digit LCD with backlight
- Built-in memory recalls maximum, minimum values as well as last value stored
- Includes soft carrying case and battery

Specifications
Measuring Range: 0 to 9.99 mW/cm^2
Alarm Level: 5.0 dB

MODEL NO.	DESCRIPTION	PRICE
ST-2G	Microwave Leakage Detector	$49

EMF METER

Features
- Detects DC and AC magnetic fields
- Measure in milliGauss or microTesla
- Measure the absolute environment of the Earth's magnetic field as reference with zero adjustment button
- N pole/S pole indicator
- Data hold, record maximum and minimum reading
- RS232/USB computer interface
- Measuring Range: -3000 to 3000mG; -300 to 300μT

MODEL NO.	DESCRIPTION	PRICE
GU-3001	Electromagnetic Field Meter	$695
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
BS-6	Tripod	$59

INDOOR AIR QUALITY METER

Features
- Simultaneously monitors carbon dioxide (CO_2), relative humidity and temperature
- Dew point and wet bulb temperatures can also be displayed
- Displays STEL readings over a 15-minute period and TWA readings over a period of 8 hours
- Maximum, minimum and average functions
- Low drift, non-dispersive infrared CO_2 sensor
- Audible warning alarm of excessive CO_2 concentrations
- RS232 output

Specifications
Ranges: CO_2: 0 to 5,000 ppm; Temp.: -10 to 60°C (14 to 140°F);
Humidity: 0 to 99.9% RH; Dew Point: -73.4 to 60°C;
Wet Bulb: -13.3 to 60°C

MODEL NO.	DESCRIPTION	PRICE
77535	Indoor Air Quality Meter	$449
VZRS232BN	RS232 Cable & Software	$79
RHA-33	33% Humidity Calibration Standard	$49
RHA-75	75% Humidity Calibration Standard	$49

IAQ METER/DATA LOGGER

Features
- Measures CO_2, CO, O_2, humidity and temperature
- Records readings from 3 probes simultaneously
- Audible alarm setpoint (<18.0% O_2)
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB computer interface
- Includes humidity probe, CO probe, CO_2 probe, O_2 probe and hard carrying case

Specifications
Ranges: CO_2: 0 to 4,000 ppm; CO: 0 to 1,000 ppm; O_2: 0 to 30% O_2;
Temp.: 0 to 50.0°C (32 to 122.0°F); Humidity: 5 to 95% RH;
Dew Point: -25.3 to 48.9°C (-13.5 to 120.1°F);
Wet Bulb: -21.6 to 50°C (-6.9 to 122.1°F)

MODEL NO.	DESCRIPTION	PRICE
SD-9901	Indoor Air Quality Meter/Data Logger	$995
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
BS-6	Tripod	$59

THERMO-HYGROMETER

Features
- Large dual display shows ambient temperature and relative humidity
- User selectable °F/°C
- Data Hold and Min/Max function
- Compact and lightweight
- Includes battery

Specifications
Humidity Range: 10 to 95% RH
Temperature Range: 32 to 122°F/0 to 50°C

MODEL NO.	DESCRIPTION	PRICE
LM-81HT	Thermo-Hygrometer	$99
CA-52A	Soft Carrying Case	$15

WET/DRY BULB HYGROMETER

Features
• Measures relative humidity by comparing readings of wet bulb and dry bulb thermometers (using relative humidity tables supplied)
• Accuracy obtained by creating rapid air circulation around bulbs
• Non-mercury red spirit filled thermometers

Specifications
Temperature Range: -10 to 130°F (-15 to 50°C)

MODEL NO.	DESCRIPTION	PRICE
WD-5	Wet/Dry Bulb Hygrometer	$39
WD-5-WICK	Replacement Wicks, pk. of 6	$10

SLING PSYCHROMETER

Features
• Slide rule construction quickly converts temperature to relative humidity
• Reservoir holds sufficient water for several hours of testing
• Thin bulb design gives fast thermal response
• Non-mercury red spirit filled thermometers

Specifications
Temperature Range: 25 to 120°F or -5 to 50°C

MODEL NO.	DESCRIPTION	PRICE
12-7012	Sling Psychrometer, °F	$39
12-8043	Sling Psychrometer, °C	$39

PSYCHROMETER

Features
• Measures relative humidity, air temperature plus external probe temperature and quickly calculates wet bulb & dew point temperatures
• Simultaneous display of %RH, air temperature and dew point or wet bulb or external probe temperature in °F or °C
• Max/Min/Avg readings and Data Hold

Specifications
Humidity Range: 0 to 100% RH
Temperature Range: Internal: -4 to 122°F (-20 to 50°C);
   External:-4 to 158°F (-20 to 70°C)
Dew Point Range: -109.7 to 122°F (-78.7 to 50°C)
Wet Bulb Range: -6.9 to 122°F (-21.6 to 50°C)

MODEL NO.	DESCRIPTION	PRICE
8706	Digital Psychrometer	$99
87P6	External Temperature Probe	$20
RHA-33	33% Humidity Calibration Standard	$49
RHA-75	75% Humidity Calibration Standard	$49

THERMO-HYGROMETER

Features
• Dual LCD readout displays ambient temperature & relative humidity
• User selectable °F / °C
• Min/Max memory for both functions
• Data hold and Relative functions
• Auto power off • Includes battery

Specifications
Humidity Range: 0 to 100% RH
Temperature Range: -4 to 140°F/-20 to 60°C

MODEL NO.	DESCRIPTION	PRICE
R6001	Thermo-Hygrometer	$139
87P6	External Temperature Probe	$20
RHA-33	33% Humidity Calibration Standard	$49
RHA-75	75% Humidity Calibration Standard	$49
CA-05A	Soft Carrying Case	$19

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TEMPERATURE/HUMIDITY DATA LOGGER

Features
- Stores up to 16,000 temperature and 16,000 humidity readings
- Alarm display if user-defined max/min values are exceeded
- Displays all status information through two LEDs
- Simply plug the logger into the USB port of your computer to begin downloading - no cables or wires required
- Includes wall mount bracket and Windows compatible software

Specifications
Humidity Range: 0 to 100% RH
Temperature Range: -40 to 158°F (-40 to 70°C)
Sampling Rate: User selectable: 2s, 5s, 10s, 30s, 1m, 5m, 10m, 30m, 1h, 2h, 3h, 6h, 12h, 24h

MODEL NO.	DESCRIPTION	PRICE
ST-171	Temperature/Humidity Data Logger	$89

TEMPERATURE/HUMIDITY DATA LOGGER

Features
- Records up to 32,700 ambient temperature and relative humidity readings
- User selectable recording intervals from 1s to 24h
- Minimum/Maximum function with alarm
- Real-time clock stores data and time
- LCD readout displays current temperature (°F or °C) or humidity reading, min/max reading with date and time
- Download data directly to a PC via USB cable supplied
- Includes data logger, mounting bracket with screws, USB cable, software diskette, security lock and battery

Specifications
Humidity Range: 0 to 100% RH
Temperature Range: -40 to 158°F (-40 to 70°C)

MODEL NO.	DESCRIPTION	PRICE
ST-172	Temperature/Humidity Data Logger	$149

THERMO-HYGROMETER/DATA LOGGER

Features
- Measures relative humidity as well as temperature with a type J/type K thermocouple thermometer
- Also measures dew point and wet bulb temperatures
- Easy to read LCD with backlight
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB computer interface

Specifications
Humidity Range: 5 to 95% RH
Dew Point Range: -25.3 to 48.9°C (13.5 to 120.1°F)
Wet Bulb Range: -21.6 to 50.0°C (-6.9 to 122.0°F)
Type K Temp. Range: -100.0 to 1300.0°C (-148.0 to 2372°F)
Type J Temp. Range: -100.0 to 1200.0°C (-148.0 to 2192°F)

MODEL NO.	DESCRIPTION	PRICE
SD-3007	Thermo-hygrometer/Data Logger	$259
TP-01	Type K Thermocouple Wire Probe	$15
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
CA-05A	Soft Carrying Case	$19
BS-6	Tripod	$59

HEAT STRESS METER

Features
- Wet Bulb Globe Temperature (WBGT) considers the effects of temperature, humidity and direct or radiant sunlight
- Heat Stress Index measures how hot it feels when humidity is combined with temperature, air movement and radiant heat
- Black Globe Temperature (TG) monitors the effects of direct solar radiation on an exposed surface

Specifications
Humidity Range: 0 to 100% RH
Air Temp. Range: 0.0 to 50.0°C (32 to 122°F)
Black Globe Temp. Range: 0.0 to 80.0°C (32 to 176°F)
WBGT Temp. Range: 0.0 to 50.0°C (32 to 122°F)

MODEL NO.	DESCRIPTION	PRICE
8778	Heat Stress Meter	$225
VZUSBAZM	USB Cable & Software	$60
VZRS232BN	RS232 Cable & Software	$79
HR33	33% Humidity Calibration Standard	$60
HR75	75% Humidity Calibration Standard	$60
BS-6	Tripod	$59

HEAT STRESS METER/DATA LOGGER

Features
- Wet Bulb Globe Temperature (WBGT) considers the effects of temperature, humidity and direct or radiant sunlight
- In/Out function displays the WBGT value with or without direct sun exposure
- Black Globe Temperature (TG) monitors the effects of direct solar radiation on an exposed surface
- User adjustable WBGT threshold with audible alarm
- Real time SD memory card datalogger with built-in clock and calendar

Specifications
Humidity Range: 5 to 95% RH
Air Temp. Range: 0 to 50°C (32 to 122°F)
Dew Point Temp. Range: -25.3 to 48.9°C (-13.5 to 120.1°F)
Wet Bulb Temp. Range: -21.6 to 50.0°C (-6.9 to 122.2°F)
Black Globe Temp. Range: 0 to 80°C (32 to 176°F)
WBGT Temp. Range: In: 0 to 59°C (32 to 138°F); Out: 0 to 56°C (32 to 132°F)

MODEL NO.	DESCRIPTION	PRICE
SD-2010	Heat Stress Meter/Data Logger	$379
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
BS-6	Tripod	$59

HEAT STRESS STOP WATCH

NEW!

Features
- Measures temperature and humidity, and calculates heat index as well as dew point
- Combines air temperature and relative humidity measurements in an attempt to determine the human-perceived equivalent temperature or "how hot it feels"
- Full LCD display with LED backlight
- Silent operation option
- Dual power: solar panel and battery
- 1 ATM water resistant (IPX4 rated)

Solar Power

Water Resistant

MODEL NO.	DESCRIPTION	PRICE
SW700	Heat Stress Stop Watch	$39

STOP WATCH

Features
- Records real time and split times with 1/100th second resolution
- Displays hour, minute, second, and day of the week
- Alarm and snooze functions
- Shock and water resistant case
- Neck lanyard and battery included

MODEL NO.	DESCRIPTION	PRICE
SW600	Digital Stop Watch	$16

THERMO-HYGROMETER

Features
- 5-inch diameter stainless steel dial
- Synthetic hair hygrometer; ±5% accuracy
- Humidity Range: 0 to 100% R.H. in 1% increments
- Bi-metallic temperature sensor; ±1% accuracy
- Temperature Range: 0° to 120°C in 1°C increments

MODEL NO.	DESCRIPTION	PRICE
TH600	Dial Thermo-hygrometer	$39

SURFACE THERMOMETER

Features
- Dual magnet mount surface thermometers specifically design-ed to be used on horizontal or ferrous non-horizontal surfaces
- Bimetallic sensor is a specially processed alloy that is pre-conditioned and pretested for permanent calibration
- Sensor is located in a draft shield and is in virtual thermal contact with the surface to be measured

Specifications
Temperature Range: 312FC: 0 to 250°F (-20 to 120°C); **314FC:** 50 to 750°C (10 to 400°C)

MODEL NO.	DESCRIPTION	PRICE
312FC	Magnetic Surface Thermometer	$29
314FC	Magnetic Surface Thermometer	$29

STEM THERMOMETERS

Features
- Stainless steel stem thermometer offers a quick response and laboratory accuracy
- Easy to read LCD display
- Fahrenheit/Celsius switchable
- Display updates every 2 seconds
- Complete with one 1.5V LR44 button battery and protective probe cover

MODELS ST-131 & ST-133 ADDITIONAL FEATURES:
- Max/Min memory records highest and lowest temperatures
- Data Hold button lets you freeze a reading

MODEL PS100 ADDITIONAL FEATURES:
- Waterproof construction
- Front panel calibration button

Specifications
Temperature Range: ST-130, ST-131 & ST-133: -40 to 482°F (-40 to 250°C); **PS100:** -40 to 450°F (-40 to 230°C)

MODEL NO.	DESCRIPTION	PRICE
ST-130	Digital Stem Thermometer	$19
ST-131	Digital Stem Thermometer	$22
ST-133	Digital Stem Thermometer	$20
PS100	Digital Stem Thermometer	$24

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THERMOMETER/DATA LOGGER

Features
- Measures and displays 4 separate temperatures simultaneously
- Calculates and displays temperature differentials (T1-T2)
- Accepts Type K, J , R, S, E, T thermocouples and Pt 100Ω RTD
- Data hold and Max/Min record
- Real time SD memory card datalogger with a built-in clock and calendar
- Sampling time set from 1 second to 3600 seconds
- RS232 and USB computer interface

Specifications
Type K Temp. Range: -100.0 to 1300.0°C (-148.0 to 2372°F)
Type J Temp. Range: -100.0 to 1200.0°C (-148.0 to 2192°F)
Type T Temp. Range: -100.0 to 400.0°C (-148.0 to 752.0°F)
Type E Temp. Range: -100.0 to 900.0°C (-148.0 to 999.9°F)
Type R Temp. Range: 0 to 1700°C (32 to 3092°F)
Type S Temp. Range: 0 to 1500°C (32 to 2732°F)
RTD Temp. Range: -199.99 to 850.0°C (-327.9 to 1562.0°F)

MODEL NO.	DESCRIPTION	PRICE
SD-947	4 Ch. Thermocouple Thermometer/Data Logger	$219
TP-01	Type K Thermocouple Wire Probe	$15
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
CA-05A	Soft Carrying Case	$19
BS-6	Tripod	$59

THERMOCOUPLE THERMOMETER

Features
- Single input thermocouple thermometer
- Display maximum reading plus Data Hold
- User selectable °C, °F or °Kelvin
- User selectable resolution of 0.1 or 1°C (0.1 or 1°F)
- Includes 9V battery, holster and TP-01 bead probe
- Accepts K-type thermocouple probes (sold separately)
- **MODEL ST-610BDELUXE:** Kit includes **ST-610B** Thermocouple Thermometer, **LS-109** Surface Probe, **LS-103** Air/Gas Probe, **LS-107** General-purpose Probe, all in a hard carrying case

Specifications
Temperature Range: -50 to 1300°C (-58 to 2000°F)

MODEL NO.	DESCRIPTION	PRICE
ST-610B	Thermocouple Thermometer	$99
ST-610BDELUXE	Thermocouple Thermometer Kit	$289

RTD THERMOMETER

Features
- Platinum resistor temperature sensor
- Selectable sensor types: Pt-100, Pt-500, Pt-1000 (4 wires)
- 4-digit LCD readout with LED backlight
- °C/°F switchable
- Min/Max/Avg functions
- Relative mode and Data hold
- IP67 waterproof housing
- Includes piercing type temperature probe

Specifications
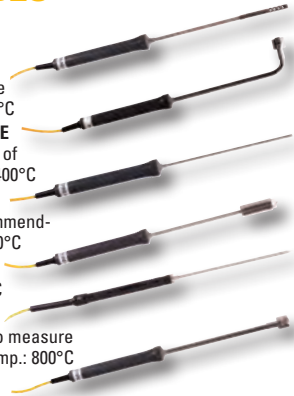**Temperature Range:** -148 to 572°F (-100 to 300°C)

MODEL NO.	DESCRIPTION	PRICE
C-370	RTD Thermometer	$169
TP-R01	PT-100 Temperature Probe	$95
CA-05A	Soft Carrying Case	$19

THERMOCOUPLE PROBES

Features

- **MODEL LS-103 AIR/GAS PROBE**
  Specially designed to measure air or gases. Perforated shield permits fasts response while providing element protection. Max. temp.: 800°C
- **MODEL LS-104 RIGHT ANGLE SURFACE PROBE**
  Unique right angle design allows temperature of hard to reach areas to be taken. Max. temp.: 400°C
- **MODEL LS-107 GENERAL PURPOSE PROBE**
  Used to measure both air or liquids, but recommended for immersion applications. Max. temp.: 700°C
- **MODEL LS-109 SURFACE PROBE**
  Ribbon-style surface probe. Max. temp.: 400°C
- **MODEL LS-134A NEEDLE TIP PROBE**
  Medium gauge hypodermic needle tip, used to measure softer food stuffs, rubbers and solids. Max. temp.: 800°C
- **MODEL LS-139 SURFACE PROBE**
  Spring loaded probe is ideal for high temperature surface measuring requirements. Max. temp.: 500°C

MODEL NO.	DESCRIPTION	PRICE
LS-103	Air/Gas Probe	$69
LS-104	Right Angle Surface Probe	$89
LS-107	General Purpose Probe	$69
LS-109	Surface Probe	$69
LS-134A	Needle Tip Probe	$69
LS-139	Surface Probe	$79

TEMPERATURE SIMULATOR

Features

- Automatic calibration
- Includes set of industrial test leads with alligator clips, 9V battery, instruction manual and soft carrying case

Specifications

Type K Temp. Range: -200.0 to 1370.0°C
Type J Temp. Range: -200.0 to 1200.0°C
Type N Temp. Range: -200.0 to 1300.0°C
Type R Temp. Range: -40 to 1760°C
Type S Temp. Range: -20 to 1760°C
Type T Temp. Range: -200.0 to 400.0°C
Type B Temp. Range: 400 to 1800°C
Type E Temp. Range: -200.0 to 1000.0°C
PT100 RTD Temp. Range: -200.0 to 850.0°C
Cu50 RTD Temp. Range: -50.0 to 150.0°C

MODEL NO.	DESCRIPTION	PRICE
VC01	Temperature Simulator	$389

TEMPERATURE CALIBRATOR

Features

- Closed loop microprocessor based digital PID temperature controller system incorporating a heater and a precision platinum RTD sensor
- Fan cooling allows rapid changes in block temperature upon demand
- Required temperature may be adjusted in 0.1° increments using front panel buttons

Specifications

Temperature Range: 33.0 to 300.0°C (91.4 to 572.0°F)
Heating/Cooling Times: 30 min. to max./30 min. to 100°C (212°F)
Well Diameters: 1 x 1/4", 1 x 3/16", 1 x 5/32", 2 x 1/8"; **Well Depth:** 90mm

MODEL NO.	DESCRIPTION	PRICE
BX-150	Dry Block Temperature Calibrator	$1395
1400C	Hard Carrying Case	$176

INFRARED THERMOMETER

Features
- Measures surface temperatures of hot, hazardous or hard-to-reach objects without contact
- User selectable °F or °C
- Built-in laser pointer
- Pre-set emissivity of 0.95
- 8:1 Distance to Spot size ratio
- Large LCD with backlight and display hold
- Compact, measures just 3.7" x 2.1" x 1" (94 x 56 x 28mm)

Specifications
Temperature Range: -58 to 536°F (-50 to 280°C)

MODEL NO.	DESCRIPTION	PRICE
R2001	Infrared Thermometer	$49

INFRARED THERMOMETER

Features
- User selectable °F or °C
- Built-in laser pointer identifies target area
- 8:1 Distance to Spot Size ratio
- Fixed emissivity of 0.95 covers 90% of all applications
- Overrange indicator, auto data hold and auto shut off

Specifications
Temperature Range: ST-880: -58 to 536°F (-50 to 280°C)
ST-882: -58 to 1022°F (-50 to 550°C)

MODEL NO.	DESCRIPTION	PRICE
ST-880	Infrared Thermometer	$89
ST-882	Infrared Thermometer	$109

INFRARED THERMOMETER

Features
- Infrared thermometer with integral type K thermocouple input
- Built-in laser pointer identifies target area
- 30:1 distance to spot size ratio
- Digitally adjustable emissivity from 0.10 to 1.0
- Automatic emissivity capture • High and low alarms
- Max, Min, Avg, Diff record • 20 data points of memory
- Includes type K thermocouple probe, battery and carrying case

Specifications
Type K Temp. Range: -58.0 to 2498°F (-50.0 to 1370°C)
Infrared Temp. Range: -50.0 to 1050.0°C (-58.0 to 1922.0°F)

MODEL NO.	DESCRIPTION	PRICE
ST-8835	Infrared Thermometer w/ Type K TC	$169

INFRARED THERMOMETER

Features
- User selectable °F or °C
- Built-in laser pointer identifies target area
- 50:1 distance to spot ratio measures smaller surface areas at greater distances
- Digitally adjustable emissivity from 0.10 to 1.0
- High and low alarm setpoints
- Max., Min., Avg. and Diff. temperature displays
- Large LCD with backlight and display hold

Specifications
Temperature Range: -58.0 to 1832°F (-50.0 to 1000°C)

MODEL NO.	DESCRIPTION	PRICE
ST-8839	Infrared Thermometer	$289

INFRARED VIDEO THERMOMETER

NEW!

Features
- Dual lasers identify exact measuring spot where they converge
- Optical Resolution: 50:1 (Distance : Spot size)
- Fast 150ms response time
- 2.2" TFT colour LCD and built-in 640 x 480 pixels camera
- Supports image (JPEG) and video (AVI) capture alerts
- Transmit images and videos via USB interface
- 72MB internal memory with MicroSD memory card extension
- Datalogging capabilities with date and time
- Includes type K thermocouple probe, AC adapter,
  USB adapter, mini-tripod, and hard carrying case

Specifications
IR Temp. Range: -50 to 2200°C (-58 to 3992°F) ☑**RoHS**
Spectral Response: 8 to 14μm
Type K Temp. Range: -50 to 1370°C (-58 to 2498°F)
Air Temp. Range: 0 to 50°C (32 to 122°F)
Dew Point & Wet Bulb Temp. Range: 0 to 50°C (32 to 122°F)
Humidity Range: 0 to 100% RH

MODEL NO.	DESCRIPTION	PRICE
R2020	Infrared Video Thermometer/Datalogger	$549

THERMAL IMAGER

NEW!

Features
- 3.5" colour TFT LCD capacitive touch screen
- High thermal sensitivity (NETD) of <80mK
- Built-in laser and white LED flashlight
- Built-in visible light digital camera
- 20X continuous zoom
- Includes thermal imager, 7.5mm lens, lens cap,
  micro SD memory card, video output cable, headset,
  USB cable, hood, tripod stand, shoulder strap, battery,
  charger, DC power supply, user manual, software CD
  and hard carrying case

Specifications
IR Resolution: 160 x 120 pixels
Thermal Sensitivity (NETD): <0.08°C (80mK)
Temperature Range: -20 to 400°C (-4 to 752°F)
Storage Medium: 4GB micro SD card

MODEL NO.	DESCRIPTION	PRICE
R2100	Thermal Imager	$3295
RL-11	11mm Replacement Lens	$795
RL-22	22mm Replacement Lens	$895
RL-33	33mm Replacement Lens	$995

TEMPERATURE CALIBRATOR

Features
- For calibrating non-contact infrared thermometers
- Temperature controlled black-body target with a dia-
  meter of 2.25" (57mm) and a fixed emissivity of 0.95
- Wide field of view to compensate for optical
  variations in individual infrared thermometers
- Simply set the desired temperature in increments
  of 0.1°, wait for the calibrator to attain equilibrium,
  point the infrared thermometer at the target, and measure the radiated energy

Specifications
Temperature Range: 50.0 to 500.0°C (122.0 to 932.0°F)
Heating/Cooling Times: 40 min. to max./45 min. to 100°C (212°F)

MODEL NO.	DESCRIPTION	PRICE
BX-500	Infrared Temperature Calibrator	$1195
1400C	Hard Carrying Case	$176

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MOISTURE DETECTOR

Features
- Measures the moisture content of sawn timber (also cardboard and paper) and hardened materials like plaster, concrete and mortar
- Average adjustment for European wood based on a wood temperature of 20°C
- Electrical resistance measuring principle
- 8mm long integrated electrode pins are replaceable

Specifications
Measuring Range: Wood: 6 to 44% Moisture Content; Hardened Material: 0.2 to 2.0% Moisture Content

MODEL NO.	DESCRIPTION	PRICE
ST-123	Moisture Detector	$79
ST-123-P	Replacement Electrode Pin	$5
CA-52A	Soft Carrying Case	$15

MOISTURE DETECTOR

Features
- Measure moisture content in wood either directly with integral moisture pins or with a remote hand-press probe
- Range: 6.0 to 99.9% Moisture Content
- Automatic temperature compensation when used with included temperature probe
- Memory contains 8 wood groups with calibrations for approx. 170 species of wood
- Built-in 2-point calibration check
- Integral contact pins are replaceable, remote moisture electrode pins are not replaceable
- Complete with remote hand-press moisture electrode, temperature probe, protective cap, replacement pins, two AAA batteries, and carrying case

MODEL NO.	DESCRIPTION	PRICE
ST-129	Moisture Detector	$139
ST-129-P	Replacement Electrode Pin	$5

MOISTURE DETECTOR

Features
- Detects moisture content in building materials of all kinds, as well as detects moisture distribution in walls, ceilings and floors
- Non-destructive - moisture sensor runs smoothly over the surface being tested without scratching or penetrating the surface
- Classifies moisture status as: dry, at risk or wet
- LCD display with backlighting
- Display Hold button
- Max/Min function with alarm indication

Specifications
Measuring Range: 0.0 to 100.0% Moisture Content
Moisture Status Display:
Gypsum: <30%: Dry; 30-60%: At risk; >60%: Wet
Cement: <25%: Dry; 25-50%: At risk; >75%: Wet
Wood: <50%: Dry; 50-80%: At risk; >80%: Wet

MODEL NO.	DESCRIPTION	PRICE
ST-128M	Moisture Detector	$199
CA-52A	Soft Carrying Case	$15

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ANEMOMETER

Features
- Measuring Units: m/s, kph, mph, fpm and knots
- Data hold, Record (Max/Min)
- Integral vane design for one hand operation
- Push button operation
- Air Velocity Range: 80 to 5910 fpm; 0.4 to 30.0 m/s; 0.9 to 67 mph; 1.4 to 108 km/h; 0.8 to 58.3 knots

MODEL NO.	DESCRIPTION	PRICE
LM-81AM	Rotating Vane Anemometer	**$99**
CA-52A	Soft Carrying Case	**$15**

THERMO-ANEMOMETER

Features
- Integral rotary vane sensor for one hand operation
- Simultaneous display of air velocity and temperature
- Continuous moving air velocity averaging of measurements for up to 2 hours
- Displays Min/Max/Avg velocity with temperature values
- Multi-point averaging up to 8 points
- Selectable wind speed units: fpm, m/s, mph, km/h, knots
- Calculate air volume by keying in area dimension
- RS232 interface

Specifications
Air Velocity Range: 80 to 6900 fpm; 0.4 to 35 m/s; 0.9 to 78 mph; 1.4 to 126 km/h; 0.8 to 68 knots
Temperature Range: -10 to 50°C (14 to 122°F)

MODEL NO.	DESCRIPTION	PRICE
8906	Thermo-Anemometer	**$199**
VZRS232BN	RS232 Cable & Software	**$79**
VW3USB11A	RS232 to USB Converter Cable	**$40**

THERMO-ANEMOMETER/DATA LOGGER

Features
- Measures air velocity as well as temperature with a type J/type K thermocouple thermometer
- Low friction ball-bearing, rotating vane probe with thermistor temperature sensor
- Air velocity measured in m/s, fpm, km/h, mph or knots
- Temperature measured in °C or °F
- Data hold and Max/Min record
- Real time data logger with 2GB SD memory card
- RS232 and USB computer interface

Specifications
Air Velocity Range: 0.4 to 30.0 m/s; 1.4 to 126.0 km/h; 0.9 to 78.3 mph; 79 to 6890 fpm; 0.8 to 68.0 knots
Type K Temp. Range: -100.0 to 1300.0°C (-148.0 to 2372°F)
Type J Temp. Range: -100.0 to 1200.0°C (-148.0 to 2192°F)
Sampling Time: 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds

MODEL NO.	DESCRIPTION	PRICE
SD-4207	Thermo-anemometer/Data Logger	**$295**
TP-01	Type K Thermocouple Wire Probe	**$15**
SD-2GB	2GB SD Memory Card	**$28**
USB-01	USB Cable	**$68**
UPCB-01	RS232 Cable	**$19**
SW-U801-WIN	Data Acquisition Software	**$69**
BS-6	Tripod	**$59**

THERMO-ANEMOMETER

Features
- Rotating vane anemometer provides direct reading of air velocity and temperature
- Dual display indicates m/s, ft/min, km/h, knots, mph and °C/°F
- RS232 output
- Data hold, Record (Max/Min)
- **MODEL YK-80AM** includes heavy-duty metal rotating vane probe
- **MODEL YK-80AS** includes 13mm diameter metal mini-vane probe telescopic to 600mm

Specifications
Air Velocity Range: YK-80AM: 0.4 to 35.0 m/s; 1.4 to 126.0 km/h; 0.9 to 78.3 mph; 79 to 6890 ft/m; 0.8 to 68.0 knots;
YK-80AS: 0.8 to 12.0 m/s; 2.8 to 43.2 km/h; 1.8 to 26.8 mph; 160 to 2358 ft/m; 0.8 to 23.3 knots
Temperature Range: YK-80AM: 32 to 140°F (0 to 60°C);
YK-80AS: 32 to 176°F (0 to 80°C)
Sensor Diameter: YK-80AM: ø 72mm dia.;
YK-80AS: ø 13mm dia.

MODEL NO.	DESCRIPTION	PRICE
YK-80AM	Rotating Vane Thermo-anemometer	**$295**
YK-80AMPROBE	Replacement Probe for **YK-80AM**	**$170**
YK-80AS	Mini-vane Thermo-anemometer	**$395**
YK-80ASPROBE	Replacement Probe for **YK-80AS**	**$220**
USB-01	USB Cable	**$68**
UPCB-01	RS232 Cable	**$19**
SW-U801-WIN	Data Acquisition Software	**$69**
BS-6	Tripod	**$59**

THERMO-ANEMOMETER/DATA LOGGER

Features
- Measures air velocity as well as temperature with a type J/ type K thermocouple thermometer
- Hot wire probe for precise low air velocity measurements with thermistor temperature sensor
- Air velocity measured in m/s, fpm, km/h, mph or knots
- Temperature measured in °C or °F
- Data hold and Max/Min record
- Real time data logger with 2GB SD memory card (optional)
- RS232 and USB computer interface

Specifications
Air Velocity Range: 0.2 to 25.0 m/s; 0.7 to 72.0 km/h; 0.5 to 44.7 mph; 40 to 3940 fpm; 0.4 to 38.8 knots
Type K Temp. Range: -100.0 to 1300.0°C (-148.0 to 2372°F)
Type J Temp. Range: -100.0 to 1200.0°C (-148.0 to 2192°F)
Sampling Time: 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds

MODEL NO.	DESCRIPTION	PRICE
SD-4214	Thermo-anemometer/Data Logger	**$395**
TP-01	Type K Thermocouple Wire Probe	**$15**
SD-2GB	2GB SD Memory Card	**$28**
USB-01	USB Cable	**$68**
UPCB-01	RS232 Cable	**$19**
SW-U801-WIN	Data Acquisition Software	**$69**
BS-6	Tripod	**$59**

ENVIRONMENTAL METER/DATA LOGGER

Features
• Measures relative humidity, air velocity, light levels, and temperature with a type J/type K thermocouple thermometer
• Also measures sound level with optional adapter
• °F or °C; Lux or Ft-cd; m/s, kph, mph, fpm or knots selectable
• Data hold and Max/Min record
• Real time data logger with integral 2GB SD memory card (optional)
• RS232 and USB interface

Specifications
Air Velocity Range: 0.4 to 30.0 m/s; 1.4 to 126.0 km/h; 0.9 to 78.3 mph; 79 to 6890 fpm; 0.8 to 68.0 knots
Humidity Range: 0% to 95% RH
Light Range: 0 to 20,000 Lux (0 to 1,860 Ft-cd)
Type K Temp. Range: -100.0 to 1300.0°C (-148.0 to 2372°F)
Type J Temp. Range: -100.0 to 1200.0°C (-148.0 to 2192°F)
Sampling Time: 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds

MODEL NO.	DESCRIPTION	PRICE
SD-9300	Environmental Meter/Data Logger	$249
SL-417	Sound Level Adapter	$129
TP-01	Type K Thermocouple Wire Probe	$15
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
BS-6	Tripod	$59

ENVIRONMENTAL METER

Features
• 4-in-1 multi-function meter... anemometer, humidity meter, light meter and type-K digital thermometer
• Type K (NiCr-NiAl) thermocouple input jack
• High precision thin-film capacitance humidity sensor
• Photo diode and colour correction filter light sensor
• °F or °C; Lux or Ft-cd; m/s, kph, mph, fpm or knots selectable
• Data Hold, Record (Max/Min)

Specifications
Air Velocity Range: 0.2 to 30.0 m/s; 1.4 to 108.0 kph; 0.9 to 67.0 mph; 80 to 5910 fpm; 0.8 to 58.3 knots
Temperature Range: -100 to 1300°C (-148 to 2372°F)
Humidity Range: 0% to 95% RH
Light Range: 0 to 20,000 Lux (0 to 2000 Ft-cd)

MODEL NO.	DESCRIPTION	PRICE
LM-8000	Environmental Meter	$179
CA-52A	Soft Carrying Case	$15

LIGHT METER

Features
• Designed for one-hand operation
• Auto-ranging
• User selectable Lux / Footcandles
• Min/Max and Data hold functions
• Auto shut off and zero adjustment button
• Measuring Range: 0 to 20,000 lux; 0 to 2,000 Fc
• Resolution: 1, 10 lux; 0.1, 1 Fc; Accuracy: ±5% of reading

MODEL NO.	DESCRIPTION	PRICE
LM-81LX	Light Meter	$99
CA-52A	Soft Carrying Case	$15

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LIGHT METER/DATA LOGGER

Features
- Measures ambient light levels as well as temperature with a type J/type K thermocouple thermometer
- Sensor features photo diode and colour correction filters and meets C.I.E. spectrum specifications
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB computer interface

Specifications
Light Range: 2,000, 20,000, 100,000 lux
(200, 2,000, 10,000 Ft-cd)
Type K Temp. Range: -100.0 to 1300.0°C (-148.0 to 2372°F)
Type J Temp. Range: -100.0 to 1200.0°C (-148.0 to 2192°F)
Sampling Time: 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds

MODEL NO.	DESCRIPTION	PRICE
SD-1128	Light Meter/Data Logger	$189
TP-01	Type K Thermocouple Wire Probe	$15
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
CA-05A	Soft Carrying Case	$19
BS-6	Tripod	$59

SOUND LEVEL METER

Features
- Meets IEC651 Type 2 requirements
- Dual range measurement (Hi/Lo)
- "A & C" frequency weighting
- 1/2" electret condenser microphone
- Data Hold, Max Hold functions
- Tripod mount for long-term monitoring
- Includes microphone windshield ball, battery and carrying case

Specifications
Measuring Range: Low: 35 to 100 dB; High: 65 to 135 dB
Frequency Range: 31.5 Hz to 8 kHz
Time Weighting: Fast/Slow (A & C)

MODEL NO.	DESCRIPTION	PRICE
ST-805	Sound Level Meter	$149

SOUND LEVEL METER/DATA LOGGER

Features
- IEC651 Type II sound level meter
- 32,000 record datalogger
- User selectable sampling intervals
- Real-time clock logs each data point with time and date
- 4-digit backlit display with analog bar graph
- Max/Min function
- AC and DC outputs
- Includes calibration screwdriver, windshield ball, RS232 cable, Windows datalogging software, carrying case, battery, and manual

Specifications
Measuring Range: 32 to 80 dB, 50 to 100 dB, 80 to 130 dB
Frequency Range: 31.5 Hz to 8 kHz

MODEL NO.	DESCRIPTION	PRICE
C-322	Sound Level Meter/Data Logger	$459
USB-300	USB Cable	$75
BS-6	Tripod	$59

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SOUND LEVEL METER/DATA LOGGER

Features
- Measures sound levels in accordance with IEC61672 Class 2 specifications
- A/C frequency weighting
- Fast/Slow time weighting
- Peak hold, Data hold and Max/Min record
- Easy to read LCD with backlight
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB computer interface

Specifications
Measuring Range: 30 to 130dB
Frequency Weighting: A: Human Ear Listening; C: FLAT Response
Time Weighting: Fast: 200ms; Slow: 500ms
Frequency Range: 31.5 Hz to 8 kHz
Auto Sampling Time: 1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 sec.

MODEL NO.	DESCRIPTION	PRICE
SD-4023	Sound Level Meter/Data Logger	$279
SC-05	Sound Level Calibrator	$199
SB-01	Wind Shield Ball	$7
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
CA-05A	Soft Carrying Case	$19
BS-6	Tripod	$59

SOUND LEVEL DATA LOGGER

Features
- Triple range measurement, 40 dB steps with over/under range indication
- "A & C" frequency weighting
- "Fast/Slow" time weighting
- 1/2" electret condenser microphone
- Internal 94dB/1kHz calibration
- Large, easy-to-read LCD display
- Data Hold and Max Hold
- Hard carrying case and batteries included (windshield ball must be ordered separately)

Specifications
Measuring Range: 30 to 70 dB, 60 to 100 dB, 90 to 130 dB
Time Weighting: Fast: 200ms; Slow: 500ms
Frequency Range: 31.5 Hz to 16.0 kHz

MODEL NO.	DESCRIPTION	PRICE
SL-4022	Sound Level Meter	$459
SB-01	Windshield Ball	$7
BS-6	Tripod	$59

SOUND LEVEL CALIBRATOR

Features
- Generates a stable acoustic signal at a controlled frequency and amplitude to verify the accuracy of your sound level meter
- Complies with IEC 942 Class 2
- Output sound pressure levels of 94dB and 114dB
- Output frequency of 1000Hz ±4%
- Accommodates sound meters with 1/2" diameter microphones
- Simply place calibrator on microphone, turn on and adjust your sound level meter

MODEL NO.	DESCRIPTION	PRICE
SC-05	Sound Level Calibrator	$199

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FORCE GAUGE/DATA LOGGER

Features
• Measures tension and compression
• Fast/Slow AD selection
• Data Record in Peak hold or Normal mode
• Full capacity tare (zero) capability
• Force is measured in kg, lb or Newtons
• Display is reversible so that it always legible
  regardless of direction
• Real time data logger with integral 2GB SD
  memory card (optional)
• RS232 and USB computer interface
• Includes flat head, cone head, chisel head
  and hook adapters, 120mm extension rod
  and carrying case
• Measuring Range: 20.00 kg / 44.10 lb / 196.12 N

FS-1001

MODEL NO.	DESCRIPTION	PRICE
SD-6020	Force Gauge/Data Logger	$595
FS-1001	Test Stand	$895
WG-01	Wedge Grip	$49
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69

FORCE GAUGE/DATA LOGGER

Features
• Measures tension and compression
• Fast/Slow AD selection
• Data Record in Peak hold or Normal mode
• Full capacity tare (zero) capability
• Force is measured in kg, lb or Newtons
• Display is reversible so that it always legible
  regardless of direction
• Real time data logger with integral 2GB SD memory card
  (optional)
• RS232 and USB computer interface
• Includes separate load cell sensor with 2 hooks and cable
  and carrying case
• Measuring Range: 100.0 kg / 220.5 lb / 980.6 N

MODEL NO.	DESCRIPTION	PRICE
SD-6100	Force Gauge/Data Logger	$595
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69

TACHOMETER

Features
• Dual function unit with both contact and non-contact capabilities
• Non-contact function utilizes laser light beam
• Removable contact adapter for contact measurements
• Recalls Max/Min and last values
• Autoranging with 0.05% accuracy
• Includes adapters for rpm and surface speed
  measurements, battery and carrying case

Specifications
Measuring Range: Photo: 5 to 99,999 rpm;
  Contact: 5 to 19,999 rpm; Surface Speed: 0.05 to 1,999 mpm

MODEL NO.	DESCRIPTION	PRICE
ST-6236B	Contact/Photo Tachometer	$179
RT100	Reflective Tape	$5

REED Instruments

TACHOMETER

Features

- Dual function tachometer with both contact and non-contact capabilities
- Automatically holds last reading for 5 minutes and recalls minimum and maximum readings
- Characters on the 5-digit display reverse direction depending on which measurement mode you are in
- Accuracy to 0.05% and resolution of 0.1 RPM in either photo or contact mode
- Designed to fit comfortably in either hand
- Includes 3 contact adapters (2 cones, 1 funnel), surface speed wheel, reflective tape, batteries and hard carrying case

Specifications

Measuring Range: Photo: 5 to 99,999 rpm; Contact: 0.5 to 20,000 rpm; Surface Speed: 0.05 to 1,999.9 mpm/0.2 to 6,560 fpm
Detection Distance: 50 to 150 mm (2" to 6") typically; 300 mm (12") max.

MODEL NO.	DESCRIPTION	PRICE
K4010	Contact/Photo Tachometer	$279
AS-35C	Replacement Measuring Wheel	$13
CONE	Replacement Cone Tip	$16
FUNNEL	Replacement Funnel Tip	$9
EXT-SHAFT	Replacement Extension Shaft	$15
RT100	Reflective Tape	$5

STROBOSCOPE

Features

- Stroboscope freezes the motion and measures the speed of a rotating object, without contact
- Simply aim and synchronize the strobe's flash rate (fpm) with the speed (rpm) of the object
- Direct reading of RPMs
- Accuracy of ±1%
- Duty cycles from 5 to 30 minutes

Specifications

Flash Range: 100 to 10,000 fpm/rpm

MODEL NO.	DESCRIPTION	PRICE
K4020	Stroboscope, 110 VAC	$289
K4020-230V	Stroboscope, 230 VAC	$289
K4020-BULB	Replacement Bulb	$50
1300C	Deluxe Carrying Case	$114

STROBOSCOPE

Features

- Freeze the motion and measure the speed of a rotating object, without contact
- Push button that doubles and one that divides in half the flashing and display rate with just one activation
- Coarse and Fine adjustment buttons to synchronize flash to exactly the right rate
- Duty cycles from 10 minutes to 2 hours
- External trigger input
- RS232 serial interface

Specifications

Flash Range: 10 to 10,500 fpm/rpm

MODEL NO.	DESCRIPTION	PRICE
K4030	Stroboscope, 110 VAC	$389
K4030-230V	Stroboscope, 230 VAC	$389
USB-01	USB Cable	$68
SW-U801-WIN	Data Acquisition Software	$69

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DISTANCE METER

Features

- Ultrasonic distance meter measures in imperial/metric
- Laser target pointer
- Start point selection
- Measurements taken from front or rear of unit
- Data store/recall
- Computes areas and volumes
- 5 groups of values in memory
- Sum of lengths
- Audible confirmation of reading
- Includes batteries and soft carrying case
- Measuring Range: 0.5 to 16m (1.64 ~ 52.48 ft)

MODEL NO.	DESCRIPTION	PRICE
DM-01	Laser Distance Meter	$49

DISTANCE METER

Features

- One-person distance measuring and estimating tool
  that measures difficult to reach places
- Laser target pointer
- Auto horizontal distance
- Indirect measurement using Pythagoras
- Angle, slope and pitch measured by placing body of meter
  on the slope itself or aligning it at the desired angle
- Area and volume calculations
- Addition/subtraction functions
- Min/max distance tracking
- Store/recall up to 20 measurements
- Multi-line dispaly with illumination
- Buzzer indication of reading
- Multifunctional end pieces
- Dust and splash-proof to IP54
- Measuring Range: 0.05 to 50 m (2 in to 164 ft)

MODEL NO.	DESCRIPTION	PRICE
R8001	Laser Distance Meter	$139

VIDEO INSPECTION CAMERA

Features

- Comfortable pistol grip design and forward facing controls make it easy to
  detect and diagnose the unreachable
- High visibility 3.2″ colour TFT LCD monitor with 320 x 240 pixel resolution
- 3.2′ flexible gooseneck imager head retains configured shape and is waterproof (IP67)
- Gooseneck is expandable up to 30′ with the optional cable extensions
- Camera and video functions allows you to save high resolution
  JPG images and live video
- TV compatible
- High visibility 10° adjustable
  LED lighting
- Transfer files to a computer via
  USB cable and optional
  2GB SD memory card
- Includes video borescope,
  imager head, magnet, hook & mirror
  attachments, 3.7V lithium-ion battery,
  DC power supply, USB cable, video output
  cable, user manual and hard carrying case

MODEL NO.	DESCRIPTION	PRICE
BS-150	Video Inspection Camera	$259
SD-2GB	2GB SD Memory Card	$28
BS-C6	6′ Cable Extension	$70
BS-15-9C3	9mm Replacement Camera Head w/ 3′ Cable	$95

COATING THICKNESS GAUGE

Features
- Dual technology provides automatic recognition for ferrous (**F**) and non-ferrous (**NF**) metal substrates
- Magnetic induction for ferrous metal substrates
- Eddy current measurement for non-ferrous metal substrates
- One or two point calibration
- User-settable high/low alarms
- Min/Max/Average
- Memory stores 400 readings
- Includes two AAA batteries, USB cable, software, calibration iron, calibration aluminum, precision standards and carrying case

Specifications
Measuring Range: 0 to 1250μm, 0 to 49.21mils
Min. Curvature Radius: F: 1.5mm; **NF:** 3mm; **Min. Area Diameter: F:** 7mm; **NF:** 5mm
Min. Substrate Thickness: F: 0.5mm; **NF:** 0.3mm

MODEL NO.	DESCRIPTION	PRICE
ST-156	Coating Thickness Gauge	$269

THICKNESS GAUGE

Features
- Measures the thickness of steel, cast iron, aluminum, red copper, zinc, quartz glass, polyethylene, PVC, gray cast iron and nodular cast iron
- Exclusive micro-computer LSI circuit and crystal time base
- Digital display provides exact readings without guessing or errors
- Display sound velocity at the touch of a button
- Broad band receiving sensitivity means the meter can read probes of different frequencies
- Automatic material calibration
- Selectable metric or imperial
- Includes a bottle of ultrasonic couplant gel, batteries, and carrying case

Specifications
Measuring Range: 0.05 to 7.9"/1.5 to 200mm (#45 steel)
Velocity Range: 500 to 9000 m/s

MODEL NO.	DESCRIPTION	PRICE
TM-8811	Ultrasonic Thickness Gauge	$459
TM-8811PROBE	Replacement Probe	$195

DUROMETER

Features
- Digital durometer for Shore A hardness testing
- Designed to measure the penetration hardness of rubber, elastomers and other rubber like substances such as neoprene, silicone and vinyl
- Meets DIN 53505, ASTM D2240, ISO 7619 and JISK 7215
- Pocket-sized model with integrated probe
- RS232 serial interface
- Measures maximum value
- Calculates average value
- Push button zero calibration
- Measuring Range: 0 to 90 HA

MODEL NO.	DESCRIPTION	PRICE
HT-6510A	"A" Scale Durometer	$429
VM-USB	USB/RS232 Cable & Software	$129
VW3USB11A	RS232 to USB Converter Cable	$40

MANOMETER

Features
- Measures gauge and differential pressures
- 11 selectable units of measure
- Dual LCDs with backlighting
- Max/Min/Avg record with time stamp
- Data Hold freezes the displayed reading
- Push button zero adjust and offset readings
- USB output
- Includes USB cable, tubing, battery and hard carrying case

Specifications
Pressure Range: 5.000 psi; 138.3 inH_2O; 344.7 mbar; 34.47 kPa; 1.018 inHg; 258.5 mmHg; 80.00 ozin^2; 11.53 ftH_2O; 351.5 cmH_2O; 0.351 kgcm^2; 0.344 bar

MODEL NO.	DESCRIPTION	PRICE
R3002	Digital Manometer	$159
BS-6	Tripod	$59

ANEMOMETER/MANOMETER

Features
- Max., Min. and Avg. readings
- Real time clock provides for time-stamped measurements
- Push button calculation of rectangular or circular duct areas
- Auto power off and low battery indication
- USB interface

NEW!

Specifications
Pressure Range: ±5000 Pa; 0.752 psi; 50.00mbar; 20.07 inH_2O; 509.8 mmH_2O
Air Velocity Range: 1.00 to 80.00 m/s; 200 to 15,733 fpm; 3.6 to 288.0 km/h; 2.24 to 178.66 mph; 2.0 to 154.6 knots
Air Flow Range: 0 to 99.999 ft^3/min; 0 to 99.999 m^3/min
Temperature Range: 0 to 50.0°C; 32.0 to 122.0°F

MODEL NO.	DESCRIPTION	PRICE
R3001	Anemometer/Manometer	$395
BS-6	Tripod	$59

CONDUCTIVITY METER/DATA LOGGER

Features
- Measures conductivity, total dissolved solids (TDS) and salt levels in water
- Carbon rod electrode for a long operating life (included)
- Temperature coefficient of measurement solution is user selectable
- Automatic temperature compensation
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB computer interface

Specifications
Conductivity Range: 200µS, 2mS, 20mS, 200mS
TDS Range: 200, 2000, 20,000, 200,000 ppm
Salinity Range: 0 to 12% salt (% weight)

MODEL NO.	DESCRIPTION	PRICE
SD-4307	Conductivity/TDS/Salinity Meter/Data Logger	$295
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
BS-6	Tripod	$59

pH METER

Features
- Dual displays of temperature and pH
- °F or °C temperature measurement
- Automatic temperature compensation assures that readings are corrected for temperature offsets
- One touch calibration for up to 3 points
- Calibration values are adjustable
- Includes batteries

Specifications
pH Range: 0.00 to 14.00 pH
Temperature Range: 0 to 60.0°C

MODEL NO.	DESCRIPTION	PRICE
8689	Digital pH Pen	$89
86P8	Replacement pH Electrode	$39
PH-04	4.0 pH Buffer Solution	$15
PH-07	7.0 pH Buffer Solution	$15

pH/ORP METER/DATA LOGGER

Features
- Measures pH and ORP levels in water
- Manual or automatic temperature compensation (with optional ATC probe)
- Auto 3-point calibration for pH 4.0, pH 7.0 and pH 10.0
- Data hold and Max/Min record
- Real time data logger with integral 2GB SD memory card
- RS232 and USB computer interface
- Accepts any pH electrode with a BNC connector (*sold separately*)

Specifications
pH Range: 0 to 14.00 pH
mV Range: -1999 to 1999 mV

MODEL NO.	DESCRIPTION	PRICE
SD-230	pH/ORP Meter/Data Logger	$179
PE-01	pH Electrode	$119
PE-03	pH Electrode	$59
PE-11	pH Electrode	$79
ORP-14	ORP Electrode	$99
TP-07	ATC Temperature Probe	$49
PH-04	4.0 pH Buffer Solution	$15
PH-07	7.0 pH Buffer Solution	$15
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
BS-6	Tripod	$59

REFRACTOMETER

Features
- Designed to measure the refractive index of a solution
- BRIX percentage represents the total concentration of all soluble solids in the sample
- Automatic temperature compensation
- Only 0.3 ml sample required for a reading in 2 to 3 seconds
- Calibrate with distilled or tap water
- Clean under running water
- IP65 water resistant
- BRIX Range: 0.0 to 53.0%

MODEL NO.	DESCRIPTION	PRICE
XDRB-53	BRIX Refractometer	$295

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MULTIMETER/VOLTAGE DETECTOR

Features
- Auto-ranging multimeter and non-contact voltage detector
- Built-in flashlight
- Diode check and continuity test
- 2000-count LCD
- Double molded housing and test leads
- 0.2A/500V resettable fuse protection
- EN61010-1 Cat. III, 1000V safety rating
- Complete with test leads and batteries

Specifications
AC/DC Voltaget Range: 600V
AC/DC Current Range: 200mA
Resistance Range: 20MΩ

MODEL NO.	DESCRIPTION	PRICE
ST-118	Multimeter/Non-contact Voltage Detector	**$46**
CA-05A	Soft Carrying Case	**$19**

MULTIMETER

Features
- AC/DC digital multimeter with temperature function
- 4,000-count resolution
- Diode check and continuity test
- Data hold function
- Double molded plastic housing
- EN61010-1 Cat. III 600V
- Includes temperature input adapter, type K thermocouple wire probe, test leads, 9V battery, and carrying case

Specifications
AC/DC Voltaget Range: 600V
AC/DC Current Range: 10A
Resistance Range: 40MΩ
Frequency Range: 10MHz
Capacitance Range: 200µF
Temperature Range: 760°C (1400°F)

MODEL NO.	DESCRIPTION	PRICE
ST-922	AC/DC Multimeter	**$79**

MULTIMETER

Features
- True RMS AC/DC voltage and current measurements
- Measures frequency, capacitance and temperature
- Diode check and continuity test
- 40,000-count resolution
- Backlit LCD readout with analog bar graph
- 1000V input protection on all ranges
- 4-20 mA process loop measurements with % readout
- Data hold, Max/Min recording mode
- Peak capture mode
- IP67 dust and waterproof
- EN61010-1 Cat. IV 600V, Cat. III 1000V
- Includes temperature input adapter, type K thermocouple wire probe, test leads, 9V battery, and carrying case

Specifications
AC/DC Voltaget Range: 1000V
AC/DC Current Range: 10A
Resistance Range: 40MΩ
Frequency Range: 10MHz
Capacitance Range: 40mF
Temperature Range: 760°C (1400°F)

MODEL NO.	DESCRIPTION	PRICE
ST-9919	True RMS AC/DC Multimeter	**$139**

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MULTIMETER

NEW!

Features
- AC and DC voltage and current, resistance, capacitance, frequency and duty cycle measurements
- 10MHz frequency counter
- Temperature measurement capability
- True RMS AC voltage and current measurements
- Mix/Max/Avg and Peak hold functions
- Store up to 10,000 recorded events
- Real time clock for automatic time stamping of readings
- Log multiple sessions or log data continuously for over 200 hours
- 50,000-count graphical LCD with backlight displays multiple sets of measurement data simultaneously
- Bluetooth interface
- IP67 rated waterproof

Specifications
AC/DC Voltage Range: 50, 500mV, 5, 50, 500, 1000V
AC/DC Current Range: 500, 5000µA, 50, 500mA, 10A
Resistance Range: 50, 500Ω, 5, 50, 500kΩ, 5, 50MΩ
Capacitance Range: 5, 50, 500nF, 5, 50, 500µF, 10mF
Frequency Range: 50, 500Hz, 5, 50, 500kHz, 5, 10MHz
Temperature Range: -50 to 1000°C (-58 to 1832°F)

MODEL NO.	DESCRIPTION	PRICE
R5005	True RMS Multimeter	$319
CP-09	AC Current Adapter	$49

AC VOLTAGE DETECTOR

Features
- Detects for the presence of AC voltage without contact
- Signals the presence of voltage with an LED light and audible buzzer
- Built-in flashlight
- Doubly-insulated housing for increased safety
- UL approved
- Cat. III 1000V, Cat. IV 600V safety ratings

NEW!

Specifications
AC Voltage Range: 90 to 1000V

MODEL NO.	DESCRIPTION	PRICE
R5100	Non-contact AC Voltage Detector	$15

STUD/METAL/AC VOLTAGE DETECTOR

Features
- Stud/metal/AC voltage finder with laser line level
- Select Normal Scan, detect up to 3/4" depth, or Deep Scan, detection up to 1 1/2" depth
- 180° pivoting laser plane with level and plumb vials
- Thumb dial adjustment feet for leveling the laser
- 20' laser line projection onto work surface with 90° squaring
- LED display with continuous live wire detection
- LCD sensing and mode display with target graphics
- Vertical and horizontal mounting holes
- Easy key pad operation
- Ergonomically designed for comfort and grip
- Operated on a single 9V battery

MODEL NO.	DESCRIPTION	PRICE
LA-1010	Stud/Metal/AC Voltage Detector	$69

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CLAMP METER

NEW!

Features
- Measures AC current, AC and DC voltage, resistance, capacitance & temperature with included Type K thermocouple probe
- Diode test and continuity check
- UL approved • Cat. III 600V safety rating
- Includes one set of test leads, one temperature probe, batteries, and a soft carrying case

Specifications
AC Current Range: 40.00, 400.0 A
DC Voltage Range: 400.0mV, 4.000, 40.00, 400.0, 600.0V
AC Voltage Range: 4.000, 40.00, 400.0, 600.0V
Resistance Range: 400.0Ω, 4.000, 40.00, 400.0kΩ, 4.000, 40.00MΩ
Capacitance Range: 40.00, 400.0nF, 4.000, 40.00, 100.0μF
Temperature Range: -20.0 to 760.0°C (-4.0 to 1400.0°F)

MODEL NO.	DESCRIPTION	PRICE
R5020	AC/DC Clamp Meter	$89

CLAMP METER

Features
- 3-3/4 digit LCD with high-speed, 42-segment bar graph
- Touch Zero and Data Hold functions • 30mm jaw opening
- Polarity and overload indications
- Continuity test • Auto or manual ranging
- Conforms to EN61010 Cat. II 600V, Cat. III 300V
- Includes test leads, batteries and carrying case

Specifications
AC/DC Current Range: 40A, 400A
AC/DC Voltaget Range: 400V, 600V
Resistance Range: 400Ω
Continuity Range: < 40Ω

MODEL NO.	DESCRIPTION	PRICE
C-201	AC/DC Clamp Meter	$149

CLAMP METER

Features
- 4000-count digital display with 40-segment analog bargraph
- Audible continuity test and diode check
- Conforms to IEC1010 Cat. III 600V safety ratings
- Includes temperature input adapter, type K thermocouple wire probe, test leads, battery, and carrying case

Specifications
AC/DC Current Range: 1000A
AC/DC Voltage Range: 600V
Resistance Range: 40MΩ
Frequency Range: 10MHz
Capacitance Range: 40mF
Temperature Range: 1000°C (1832°F)

AC-006

MODEL NO.	DESCRIPTION	PRICE
ST-3347	True RMS AC/DC Clamp Meter	$179
AC-006	Line Splitter	$15

MILLI-OHMMETER

Features
- 4 terminal input for high accuracy of low resistance
- LSI circuitry provides high accuracy, reliability, and durability
- Zero adjustment • Built-in overload protection
- 4-wire with 2 Kelvin clips included
- Measuring Range: 0.1mΩ to 2000Ω, 5 ranges

MODEL NO.	DESCRIPTION	PRICE
K5090	Milli-ohmmeter, 110 VAC	$395
K5090-230V	Milli-ohmmeter, 230 VAC	$395

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CLAMP METER

Features
- True RMS measurements
- 3-3/4 digit LCD with high-speed, 42-segment bar graph
- Max/Min, Data Hold and Peak Hold functions
- Frequency measurement
- Diode and continuity test with beeper
- Polarity and overload indications
- Auto or manual ranging
- Conforms to EN61010 Cat. II 1000V, Cat. III 600V
- Includes test leads, batteries and carrying case

Specifications
AC/DC Current Range: 40A, 400A, 1000A
AC Voltage Range: 400V, 750V
DC Voltage Range: 400V, 1000V
Resistance Range: 400Ω, 4000Ω
Frequency Range: A & V: 4kHz, 10kHz
Continuity Range: < 100Ω

MODEL NO.	DESCRIPTION	PRICE
R5050	True RMS AC/DC Clamp Meter	$195

CLAMP METER

Features
- True RMS measurements
- Measures AC/DC voltage, and current, resistance, capacitance, frequency, duty cycle, diode and continuity
- Current measurements to 2000A through the clamp and 240mA via the test leads
- Large 4000-count backlit display
- Basic VDC accuracy of 1%
- 2.36" (60mm) clamp jaw opening (750MCM)
- DC current push button zero, relative measurements and data hold
- Conforms to IEC1010 Cat. III 1000V safety ratings

Specifications
AC/DC Current Range: Clamp-on: 400A, 2000A;
  Direct input: 400µA, 4000µA, 40mA, 400mA
AC/DC Voltage Range: 400mV (DC only), 4V, 40V, 400V, 1000V
Resistance Range: 400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ
Frequency Range: 5Hz, 50Hz, 500Hz, 5kHz, 50kHz, 100kHz
Capacitance Range: 50nF, 500nF, 5µF, 50µF

MODEL NO.	DESCRIPTION	PRICE
CM-9930	True RMS AC/DC Clamp Meter	$219
CA-05A	Soft Carrying Case	$19

EARTH RESISTANCE CLAMP METER

Features
- Resolution of 0.001Ω for low resistance measurements
- Accuracy of ± 0.01Ω
- Stores up to 99 resistance measurements
- User selectable limit alarm threshold from 1 to 100Ω
- Measures leakage current to 1mA and neutral current to 20A
- 4-digit, 9999-count LCD • Display "Hold"
- 1 second sampling time
- Doubly insulated conductor clamp for extra security
- Large jaws open to 1.8 x 1.3" (45 x 32mm)
- Includes 3 resistance calibration loops (1Ω, 5Ω and 10Ω), batteries and hard carrying case

Specifications
Resistance Range: 0.01-0.999Ω, 1-9.99Ω, 10-99.9Ω, 100-199.9Ω, 200-400Ω, 400-600Ω, 600-1200Ω
Current Range: 100mA, 300mA, 1A, 3A, 10A, 20A

MODEL NO.	DESCRIPTION	PRICE
MS2301	Earth Resistance Clamp Meter	$1395

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INSULATION TESTER

Features
- Test voltage combinations: 250V, 500V or 1000V
- 1mA test current for MΩ range at rated voltage
- 200mA test current for continuity range
- Continuity test with beeper
- Large, easy-to-read dual display with backlight
- Data hold switch
- Test button may be locked on for hands-free operation
- Meets IEC61010-1 Cat. III 1000V
- Supplied with test leads, batteries and plastic carrying case

Specifications
Insulation Resistance Test Voltages: 250V, 500V, 1000V
Insulation Resistance Range: 200MΩ, 2000MΩ
Resistance Test Range: 200Ω, 2000Ω
Voltage Range: 750VAC; 1000VDC

MODEL NO.	DESCRIPTION	PRICE
ST-5500	Insulation Tester	$189

INSULATION TESTER

Features
- Measurements from 500V to 5000V and up to 60GΩ
- Sources up to 1.2mA current during tests to offset capacitance load
- Dielectric absorption ratio measurements (DAR)
- Polarization index measurement (PI)
- Time set measurement function
- Auto-discharge function and voltage output warning function
- Live circuit warning symbols plus audible warning
- Live circuit detection prevents insulation test if >30V is detected
- Max/Min, Peak, Relative value and Data Hold functions
- 6000-count digital display with bargraph and backlight
- Meets IEC61010-1 Cat. IV 600V safety standards
- Includes test leads, batteries and carrying case

Specifications
Insulation Resistance Test Voltages:
  500V, 1000V, 2500V, 5000 VDC
Insulation Resistance Range: 0 to 60.0GΩ
Resistance Test Range: 0.1 to 6000Ω
Voltage Range: 0.5 to 600.0V AC/DC

MODEL NO.	DESCRIPTION	PRICE
R5002	Insulation Tester	$895

LCR/CAPACITANCE METER

Features
- Measure inductance/capacitance/resistance with secondary parameters including dissipation factor (D), quality factor (Q), phase angle (Ø), equivalent series/parallel resistance (ESR or Rp)
- Autoranging operation for AC impedance and DE resistance measurement
- Auto LCR smart check and measurement
- Series/Parallel modes
- Ls/Lp/Cp with D/Q/Ø/ESR parameters
- Support DCR mode 200 to 200MΩ
- High accuracy with 4 or 5 terminal Kelvin measurement
- Testing frequency is up to 10kHz and output frequency is up to 100kHz
- Includes test leads and batteries

Specifications
Inductance Range: 2000.0μH/20.000/200.0/2000.0mH/20.000/200.00/2000.0H
Capacitance Range: 2000.0pF/20.000/200.00/2000.0nF/20.00/200.00/2000μF
Resistance Range: 20.000/200.00Ω/2.0000/20.000/200.00kΩ/2.0000/20.000/200.0MΩ
Test Frequencies: 100/120/1k/10k/100k Hz

MODEL NO.	DESCRIPTION	PRICE
R5001	LCR/Capacitance Meter	$239

WATT METER

Features
- Digital multimeter and watt meter in a single compact unit
- Measures AC and DC volts and current and watts
- Measures true power up to 6000 watts
- Manual zero adjust in watt meter mode; automatic zero adjust in multimeter mode
- Sampling time of less than one second
- Designed for one-handed operation
- Front panel has easily accessible and clearly labeled sockets for power and load
- Large (0.5"), easy-to-read LCD readout
- Includes test leads and 9V battery

MODEL NO.	DESCRIPTION	PRICE
DW-6060	Watt Meter	$219
CA-05A	Soft Carrying Case	$19

VOLTAGE/CURRENT SIMULATOR

Features
- Sources voltage and current
- Automatic calibration
- User-selectable step or ramp outputs
- Selectable step or ramp outputs
- Includes test leads, alligator clips, protective holster, carrying case and battery

Specifications
DC Voltage Range: 10V
DC Voltage Output Range: 0.00 to 11.000V
DC Current Range: 20mA
DC Current Output Range: 0.000 to 22.000mA
Analog Transducer: -20mA
Analog Transducer Output Range: 0.000 to -22.000mA
Loop Power: 24V

MODEL NO.	DESCRIPTION	PRICE
VC04	Voltage/Current Simulator	$389

VOLTAGE/CURRENT DATA LOGGER

Features
- Simultaneously measure 2 True RMS AC voltage inputs OR 2 AC current inputs OR 1 AC voltage and 1 AC current input
- User programmable sample rates from 1 second to 24 hours
- Stores up to 256,000 measurements
- User programmable high/low alarms
- LCD indicates time/date, current readings, Max/Min, Peak hold and whether alarm settings have been exceeded
- Download collected data through USB interface
- Auto power off and battery check
- Includes AC current clamp sensor and voltage sensor, USB cable, software, and battery

Specifications
AC Current Range: 10 to 200A
AC Voltage Range: 10 to 600V

MODEL NO.	DESCRIPTION	PRICE
R5003	AC Voltage/Current Data Logger	$329

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LOOP CALIBRATOR

Features
- mA sourcing, simulation and measurement
- 0-28 VDC measurement to check loop voltage
- 0.02% accuracy and 0.001% of span display
- Simulate mA and % of span display
- Selectable step or ramp outputs
- 24V loop power supply
- Includes test leads, alligator clips, protective holster, battery and carrying case

Specifications
DC Voltage Range: 28V; **DC Voltage Output Range:** -0.200 to 28.000V
DC Current Range: 20mA; **DC Current Output Range:** 0.000 to 22.000mA
Loop Current Range: 20mA; **Loop Current Output Range:** 0.000 to 22.000mA
Analog Transducer: -20mA; **Analog Transducer Output Range:** 0.000 to -22.000mA

MODEL NO.	DESCRIPTION	PRICE
VC05	Loop Calibrator, 24V	$389

PHASE SEQUENCE TESTER

Features
- Tests phase orientation of 3-phase power sources
- Indicates phase orientation (clockwise or counter-clockwise) and whether each of the three phases is live
- Also indicates direction of motor rotation
- Determines motor rotation without contact
- Easy to open alligator clips with wide jaws
- Double molded housing
- Cat. III 600V safety rating
- Input Voltage: 40 to 600 VAC
- Operating Frequency: 2 to 400 Hz
- Complete with cables with 3 colour-coded alligator clips, 9V battery and carrying case

MODEL NO.	DESCRIPTION	PRICE
R5004	Phase Sequence/Motor Rotation Tester	$109

VIBRATION METER/DATA LOGGER

Features
- Measures vibration levels in machinery by measuring velocity and acceleration
- Frequency range meets ISO 2954 standards
- Unique vibration sensor with magnetic base
- RMS, Peak hold, and Max/Min record
- Metric or Imperial measurement units
- Real time data logger with integral 2GB SD memory card (optional)
- RS232 and USB computer interface
- Includes vibration sensor with cable, magnetic base, hard carrying case, and batteries

Specifications
Velocity Range: 0.5 to 199.9 mm/s; 0.05 to 19.99 cm/s; 0.02 to 7.87 in/s
Acceleration Range: 0.5 to 199.9 m/s^2; 0.05 to 20.39 g; 2 to 656ft/s^2

MODEL NO.	DESCRIPTION	PRICE
SD-8205	Vibration Meter/Data Logger	$695
SD-2GB	2GB SD Memory Card	$28
USB-01	USB Cable	$68
UPCB-01	RS232 Cable	$19
SW-U801-WIN	Data Acquisition Software	$69
BS-6	Tripod	$59

ELECTRICIAN'S COMBO KIT

Includes
- **ST-335** AC clamp meter with temperature function
- **ST-9902N** voltage/continuity tester
- **R5100** non-contact voltage detector with built-in flashlight
- **AD-1** temperature input adapter with **TP-01** type K thermocouple wire probe
- **TL-88-1** safety test leads
- **C-833R** carrying case

MODEL NO.	DESCRIPTION	PRICE
ST-ELECTRICKIT	Electrician's Combo Kit	**$129**

ELECTRICIAN'S COMBO KIT

Includes
- **ST-9919** True RMS AC/DC multimeter with temperature function
- **CP-09** AC current adapter
- **AC-006** AC line splitter
- **AD-1** temperature input adapter with **TP-01** type K thermocouple wire probe
- **TL-88-1** safety test leads
- **C-833R** carrying case

MODEL NO.	DESCRIPTION	PRICE
ST-ELECTRICKIT2	Electrician's Combo Kit	**$155**

INDUSTRIAL COMBO KIT

Includes
- **ST-9919** True RMS AC/DC multimeter with temperature function
- **ST-335** AC clamp meter with temperature function
- **R5100** non-contact voltage detector with built-in flashlight
- **AD-1** temperature input adapter with **TP-01** type K thermocouple wire probe
- **TL-88-1** safety test leads
- **C-833R** carrying case

MODEL NO.	DESCRIPTION	PRICE
ST-INDUSKIT	Industrial Combo Kit	**$199**

MULTIMETER COMBO KIT

Includes
- **ST-922** autoranging digital multimeter with temperature function
- **ST-9800T** AC/DC current clamp meter with temperature function
- **R5100** non-contact voltage detector with built-in flashlight
- **AD-1** temperature input adapter with **TP-01** type K thermocouple wire probe
- **AC-006** AC line splitter
- **TL-88-1** safety test leads
- **C-833R** carrying case

MODEL NO.	DESCRIPTION	PRICE
ST-MULTIKIT	Multimeter Combo Kit	**$189**

TEMPERATURE COMBO KIT

Includes
- **ST-922** autoranging digital multimeter with temperature function
- **ST-882** infrared thermometer with laser sighting
- **R5100** non-contact voltage detector with built-in flashlight
- **AD-1** temperature input adapter with **TP-01** type K thermocouple wire probe
- **TL-88-1** safety test leads
- **C-833R** carrying case

MODEL NO.	DESCRIPTION	PRICE
ST-TEMPKIT	Temperature Combo Kit	**$169**

HVAC COMBO KIT

Includes
- **ST-9919** True RMS AC/DC multimeter with temperature function
- **ST-3347** True RMS AC/DC clamp meter with temperature function
- **R5100** non-contact voltage detector with built-in flashlight
- **AD-1** temperature input adapter with **TP-01** type K thermocouple wire probe
- **TL-88-1** safety test leads
- **C-833R** carrying case

MODEL NO.	DESCRIPTION	PRICE
ST-HVACKIT	HVAC Combo Kit	**$279**

CARRYING CASES

MODEL NO.	DESCRIPTION	PRICE
CA-05A	Soft Carrying Case, 9"L x 4"W x 2"D	**$19**
CA-52A	Soft Carrying Case, 7"L x 3"W x 2"D	**$15**
C-820	Soft Carrying Case, 8"L x 5"W x 2"D	**$18**
C-833R	Soft Carrying Case, 11"L x 9"W x 2"D	**$22**
MC-2	Hard Carrying Case, 17"L x 14"W x 5"D	**$59**

ACCESSORIES

MODEL NO.	DESCRIPTION	PRICE
AC-006	AC Line Splitter	**$15**
AD-1	Temperature Input Adapter	**$12**
BS-6	Tripod	**$59**

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BRIX REFRACTOMETER

Features
• The soluble solids content is the total of all the solids dissolved in the water - beginning with sugar, salts, protein, acids, etc. and the measurement reading value is the value of the sum total of those

• Brix% is calibrated to the number of grams of cane sugar contained in 100g of cane sugar solution (When measuring a sugar solution, the Brix% should perfectly match the actual concentration)

• Model MT-010ATC features automatic temperature compensation

MODEL NO.	DESCRIPTION	PRICE
MT-010ATC	Refractometer, 0 to 10%	$139
MT-032	Refractometer, 0 to 32%	$99
MT-090	Refractometer, 58 to 90%	$99
RPDPA1	Lens Cover	$31

PHOTO TACHOMETER

Features
• Provides fast and accurate rpm measurements of rotating objects without contact
• Laser targeting
• Provides Total measurements
• Built-in memory recalls maximum, minimum values as well as last value stored
• Highly visible 5-digit LCD with backlight
• Includes reflective tape, soft carrying case and batteries

Specifications
Range: 2 to 99,999 rpm

MODEL NO.	DESCRIPTION	PRICE
AT-6	Photo Tachometer	$99
RT100	Reflective Tape	$5

LIGHT METER

Features
• User selectable Lux / Footcandles
• Max and Data hold function
• 3-1/2 digit LCD display
• Over range and low battery indication
• Auto shut off
• Compact and lightweight
• Includes carrying case and battery

Specifications
Range: 0 to 50,000 lux, 0 to 5,000 Fc

MODEL NO.	DESCRIPTION	PRICE
ST-1301	Light Meter	$89