JX 8001 Palm OTDR

Summary

JX8001 palm OTDR is the newest handheld equipment designed for testing FTTH network. It's mainly used to measure the physical characteristics of optical fiber under test, such as the length , the transmission loss and the splice loss. It also can locate faults or breaks of optical fiber. It's widely applied to manufacture, construction and maintenance of optical fiber communication system.

JX8001 palm OTDR has the most advanced technology of double-color & material intergrative mould, which is novel and beautiful in appearance. In addition, it's equipped with comfortable gallus for carrying conveniently.

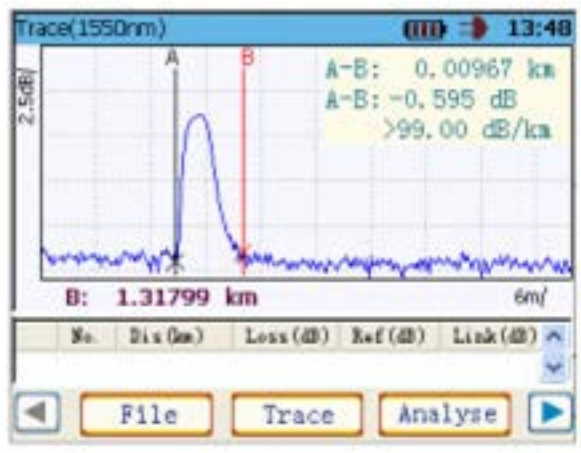
Main Features

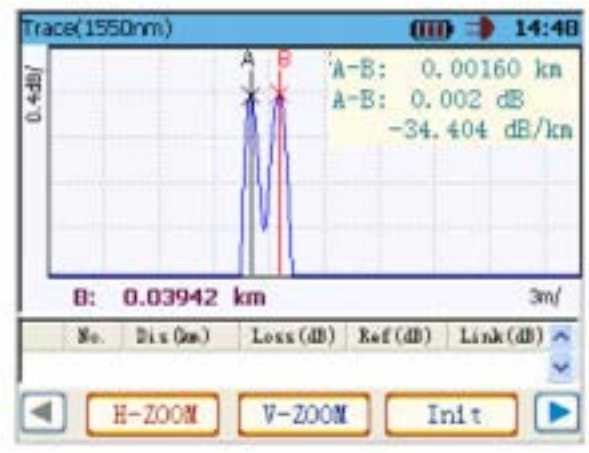
* handheld,lightweight and convenience for carrying
* Advanced anti-reflective TFT LCD, visible clearly in field
* 1.6m extra-short event dead zone
* Communication light alert automatically
* 0.25m high resolution, 65534 sampling points
* Fast auto measurement,one-button operating
* Double USB interfaces, supporting USB stick and direct cable download to PC via ActiveSync
* Supporting Bellcore GR196 file format in writing or reading
* WinCE operation system, double operating interface of Chinese and English
* Built-in lithium battery with high capacity for over 10 hours of operating life
* Visible fault locating (VFL)
* Universal FC/PC,FC/SC,FC/ST connector type, it's convenient for surface cleaning
* Unique function of updating system on-line, returning to factory is unnecessary

Features Introduction

Extra Short Event Dead Zone

JX8001 handheld OTDR has extra-short event dead zone which is suitable for testing short optical fiber and pigtail optical fiber.



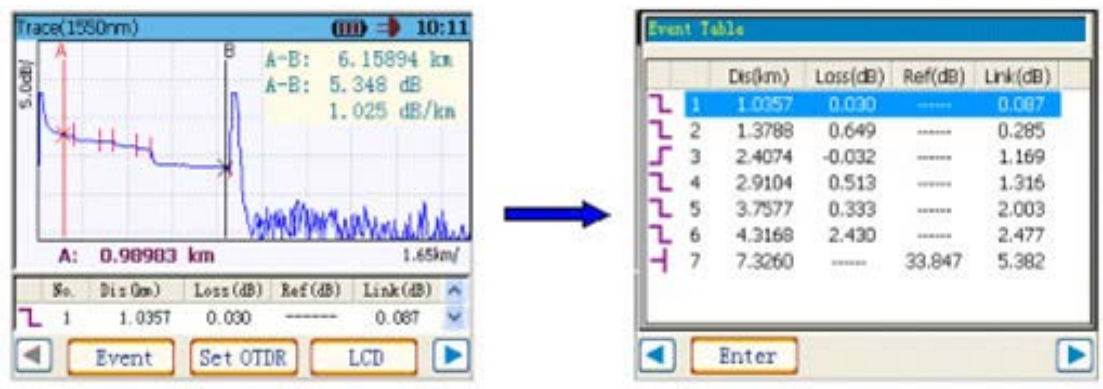


High-speed auto measurement

The function of auto measurement of JX8001 handheld OTDR makes it unnecessary to operator to know about the further details of operating. Simply connect the fiber, press [Start], then the result is displayed in a few seconds, you can view the the trace and event table.

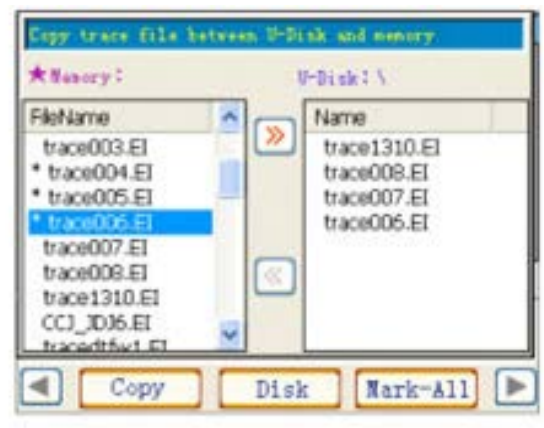
High-speed auto analyzation

JX8001 can search and locate the events and faults in trace rapidly and , and then lists all events in even table, so it's very useful to maintainers to improving efficiency and it's unnecessary to know about the relative background knowledge.



Powerful file management

JX8001 offers powerful function of file management. Besides saving,browsing or deleting files to or from USB stick and built-in memory, it can be connected to laser or inkjet printer based on PCL language, and the testing report can be printed rapidly and easily. In addition, JX8001 can communicate with PC using ActiveSync via USB cable, through which the files can be translated rapidly.



Convenient VFL

The built-in 650nm visual fault location is ideal for easily identifying bad splice, bad connector, break or macro bend.

Communication light check

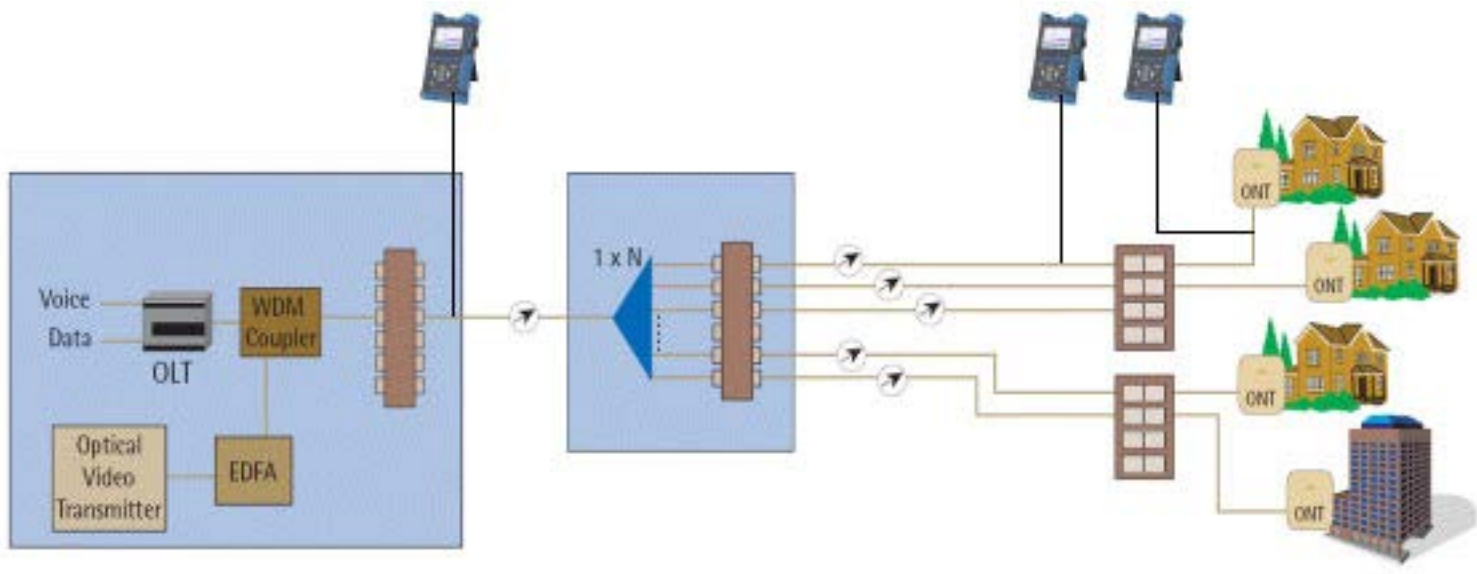
When measuring a fiber in service, the measuring result by an OTDR is not precise, and there is a potential risk of permanent damage to the internal photoelectric of OTDR receiver. To prevent these problems, the JX8001 OTDR can detect automatically and silently if communication light is present after the fiber under test is connected, once the light is verified present, simultaneously, a warning message will be displayed and internal OTDR protection will be active instantly.

Application

JX8001 handheld OTDR is mainly used to measure FTTx network, it provides a low loss solution for users.

JX8001 offers three measuring modes:

* manual mode (including real time mode average mode)
* auto mode
* dead zone mode.



Technical Parameter

Main Technical Parameters	
Main OTDR Modules	2101
Center Wavelenght	1310nm/1550nm (+/- 20nm)
Type of Optical Fiber	SMF
Dynamic Range	28/26dB
Distance Measurement Accuracy	+/-(1m+sample space+ measurement distance * 0.003%)
Event Dead Zone	≤1.6m
Sampling Resolution	0.25, 0.5, 1, 2, 4, 8, 16m
Distance Range	0.5, 1, 2, 4, 8, 16, 32, 64, 128, 256km
Pulse Width	10, 30, 80, 160, 320, 640, 1280, 5120, 10240ns
Loss Threshold	0.01dB
Sampling Points	Up to 65k
Linearity	0.05dB/dB
Memory Capacity	800 Traces
Group Refractive Index Setting	1.00000 - 2.00000(0.00001 steps)
Display	Color LCD(Touch Screen)
Interface	USB, Min-USB
Optical Connector	FC/UPC(Universal Connector)
VFL	650nm+/-10nm, 2mW(typical); CW/1Hz
Language	User selectable: Simplified Chinese, English, Russian, Korean etc
Power Supply	DC:15V to 20V(3A), (AC Adapter 100~240V, 50/60Hz, 1.5A) Built-in Lithium Battery:4400mAh, 7.4V, Operating Time >/=10 Hours
Dimensions	210X100X60(mm)
Weight	1kg

Note1:pulse width 10240ns, average times≥300,SNR=1, 23℃ ±2℃ ;

Note2:dead zone mode, distance range : ≤ 4km, pulse width:10 ns, terminal reflection loss:≥40 dB, typical;

Note3:low brightness, exclude measuring.

Standard Equipment

Key	Description	QTY	Key	Description	QTY
1	Power line	1	5	Trace analyzing software(CD)	1
2	AC/DC adapter	1	6	Hard Carrying case(Including gallus)	1
3	Quality certification	1	7	Special gallus of instrument	1
4	User manual	1			1

JX8001 OTDR

TOP SIDE

AC/DC Adapter,CD

Luxurious Case

Optional FC/UPC connector