9000PRO PROFESSIONAL OTDR

OPTIMIZED FOR FTTx/MDU FIBER DEPLOYMENTS
AND TROUBLESHOOTING, SUITABLE FOR METRO

Fully featured, high accurate, dedicated OTDR with human engineering design, suitable for metro and optimized to test through optical splitters, for seamless end-to-end FTTH characterization and troubleshooting.

FEATURES

- Built-in Optical Light Source (OLS) Module
- Built-in Optical Power Meter (OPM) Module
- Built-in Visual Fault Locator (VFL) Module
- Intelligent Event Identifying Function
- FC/SC/ST/LC Connectors Interchangeable
- Auto/manual/Real Time/Average Time Testing
- Large battery for Heavy Testing Task
- OTDR Viewer software for data analysis

APPLICATIONS

- FTTX Testing and Maintenance
- CATV Network Testing
- Access Network Testing
- LAN Network Testing
- Metro Network Testing
- Lab and Factory Testing
- FTTA Troubleshooting

THE HANDHELD OTDR... REINVENTED

The 9000PRO series is handy, lightweight and rugged enough for any outside plant environment. With a 7-inch, outdoor-enhanced touchscreen–the most efficient handheld display in the industry–it delivers an unprecedented user experience. Its intuitive concise GUI ensures a fast learning curve. Plus, its new and improved environment offers icon-based functions, instant boot-up, as well as improved auto and real-time modes.

The 9000PRO series is a line of genuine high-performance OTDRs from the world's leading manufacturer. It delivers FirstFiber's tried and true OTDR quality and accuracy along with the best optical performance for right-first-time results, every time.

The amazing 8-hour battery life will never let a technician down, and the plug-and-play hardware options like fiber inspection probe and USB tools, make every technician's job easier.

Most importantly, the 9000PRO series is finally bringing the Event Map, an intelligent OTDR-based application, to the handheld market. This advanced software turns even the most complex trace analysis into a simple, one-touch task.

Multi Functions

ALL in ONE

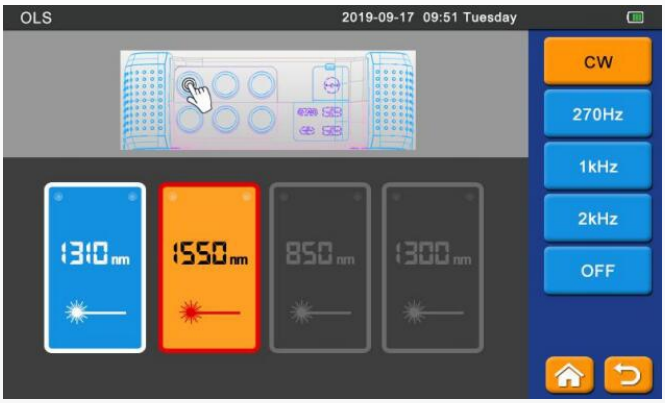
- OTDR
- Light Source
- Power Meter
- VFL[1]
- Inspector[2]
- Event Map[3]
- I.L Testing[4]
- Report Print[5]

1. VFL is short for Visual Fault Loctor which shines out red light (650nm) to locate cable break point.
2. The inspector is used to check fiber connector's endface. Inspection probe is sold separately.
3. Events Map displays human friendly ico to indicate events.
4. OPM and OLS can be turned on at same time to test insertion loss.
5. The OTDR comes with PC software to help print out test reports.

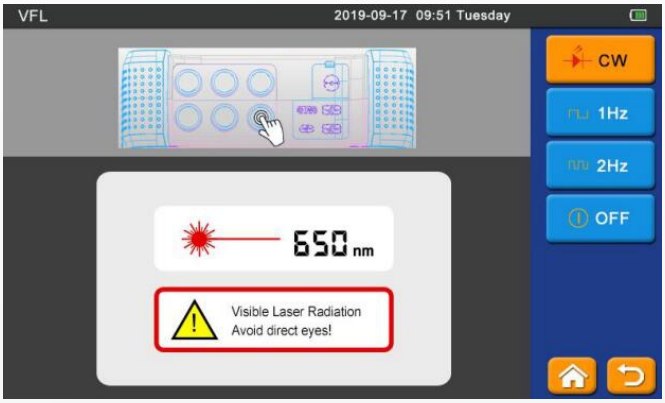
Functions Display

● OTDR

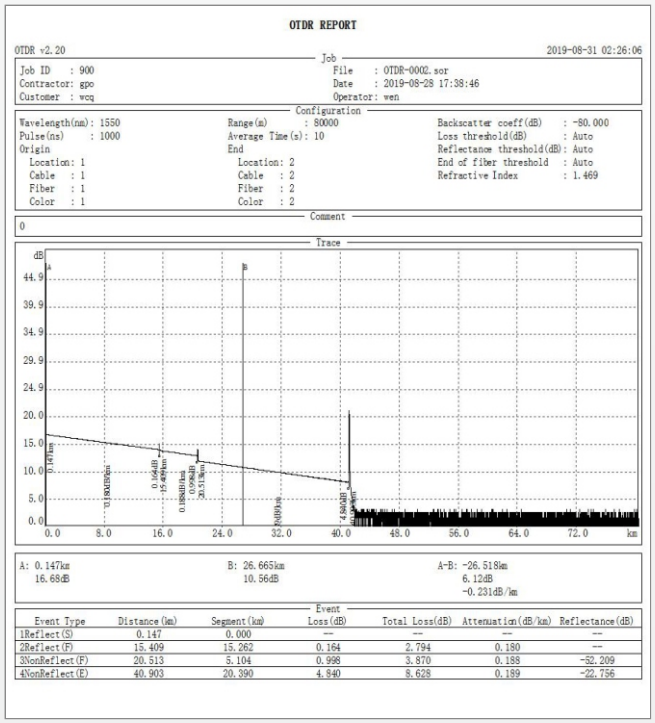
● Optical Power Meter



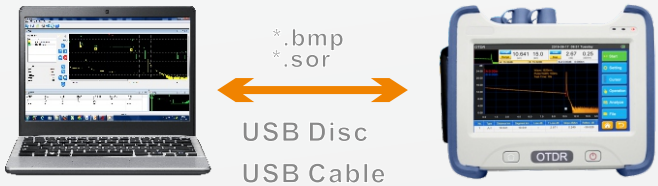
● Optical Light Source

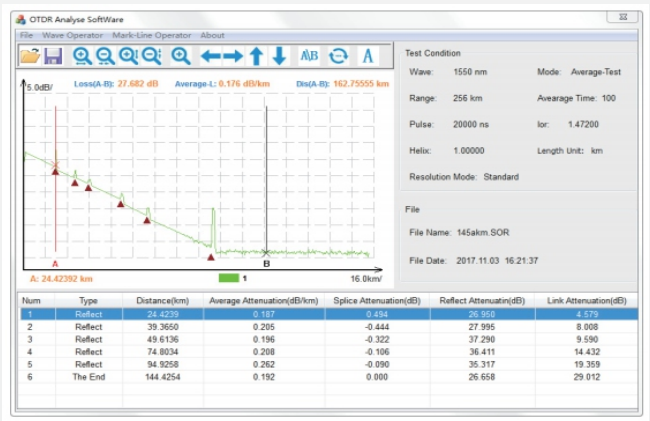


● Visual Fault Locator



● Printed Testing Report





● PC Software

Specification

General

Size/Weight	230×185×70mm 1.5kg (Battery included)
Display	7.0inch touch-sensitive TFT-LCD Screen
Interface	2×USB, 1xmini USB, 2xOTDR port, 1xVFL port, 1xOPM Port, 2xOLS, 1xCharging Port
Power Supply	8.4V(DC), 100V(AC) to 240V(AC), 50~60Hz 7.4V/6.6Ah lithium battery (with air traffic certification)
Battery	Operating Time: 8 hours, charging time: <3 hours
Power Saving	Back light: Common/Highligh/Power saving/Customized Auto power off: Never/1min/5min/10min/30min/60min
Data Storage	Internal memory: 16GB (about 100,000 curves)
Language	English, Spanish, Portugal, French, German
Environmental Conditions	Operating temperature and humidity: -10℃~+50℃, ≤95% (non-condensation) Storage temperature and humidity: -20℃~+75℃, ≤95% (non-condensation)

OTDR Module

Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs
Distance Range	500m,2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km
Sampling Resolution	Minimum 5cm
Sampling Point	Maximum 128,000 points
Linearity	≤0.05dB/dB
Averaging Time	10s, 15s, 30s, Real Time, Customized
Scale Indication	X axis: 4~70m/div, Y axis: 0.09~5dB/div
Distance Accuracy	±(1m+measuring distance×3×10^-5+sampling resolution) (excluding IOR uncertainty)
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
IOR Setting	1.2000~1.5999, 0.0001 step
Units	km, miles, kfeet
OTDR Trace Format	Telcordia universal, SOR, issue 2(SR-4731)

VFL Module

Wavelength	650nm
Output Power	10mw, CLASSIII B
Range	12km
Launching Mode	CW/2Hz

OPM Module

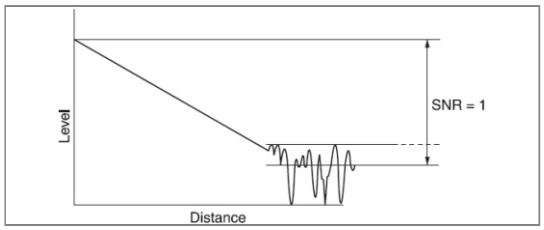
Wavelength	850/1300/1310/1490/1550/1625/1650nm
Test Range	-70~+ 10dBm
Resolution	0.01
Accuracy	±0.35dB±1nW
Modulation	270/1k/2k Hz, Pi≥-40dBm

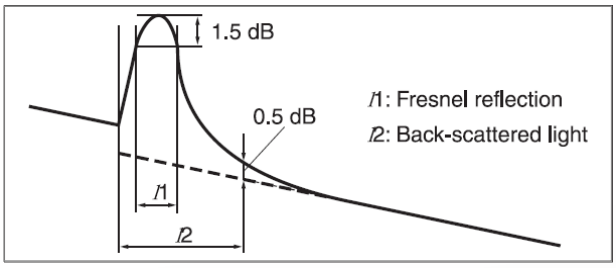
OLS Module

Wavelength	Same as OTDR Wavelengths
Output Power	-5dBm±1dB
Output mode	CW/270/1k/2k Hz

Notes

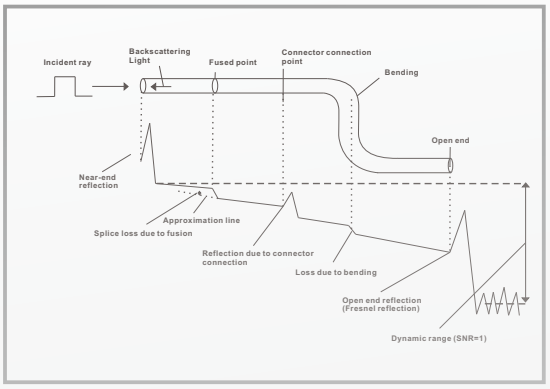
Dynamic range is measured with maximum pulse width, averaging time is 3 minutes, SNR=1; The level difference between the RMS noise level and the level where near end back-scattering occurs.





Event dead zone is measured with pulse width of 10ns; attenuation dead zone is also measured with pulse width of 50ns.

Instructions of OTDR Curves and Events that displayed on OTDR screen.



Ordering Information

Model#	Testing Wavelength	Dynamic Range	Event/ Attenuation Dead Zone
9000PRO-S1	1310/1550nm	32/30dB	0.8/4
9000PRO-S2	1310/1550nm	35/33dB	0.8/4m
9000PRO-S3	1310/1550nm	37/35dB	0.8/4m
9000PRO-T2	1310/1550/1625nm	35/33/32dB	0.8/4m
9000PRO-T3	1310/1550/1650nm	35/33/32dB	0.8/4m
9000PRO-M1	850/1300nm	20/26dB	1.2/5m
9000PRO-Q1	1310/1550/850/1300nm	28/26/20/26dB	0.8/4m, 1.2m/5m
9000PRO-Q2	1310/1550/850/1300nm	35/32/20/26dB	0.8/4m, 1.2m/5m

The Kit Includes: OTDR, FC/SC/ST Connector, User Manual, Touch Pen, USB Disc OTDRviewer Software, Power Charging Adapter, Cleaning Tool, Carrying Case, Certificate of Calibrate

★ **Product specifications and descriptions in this document subject to change without notice.**

FirstFiber
Add:Building 6, 285 Rongxing Road, Shanghai 201613, P.R.C (Postcode:201613)
Tel:+86 021 5134 7338, +86-18217747005
Web: FirstFiber.cn , FirstFiber.com.cn
Email: sales@firstfiber.cn