F200-OTDR-S2 / F400-OTDR-Q2

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

Fully featured, highly accurate, dedicated OTDR with user friendly interface, suitable for metro and optimised to test through optical splitters, for seamless end-to-end FTTH characterisation 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.
- Interchangable connectors - FC/SC/ST/LC.
- Auto/manual/real time/average time testing.
- Dual-battery for heavy testing task.
- OTDR viewer software for data analysis.

Applications

- FTTX testing and maintenance.
- CATV network testing.
- Access network testing.
- LAN networking testing.
- Metro network testing.
- Lab and factory testing.
- FTTA troubleshooting.

THE HANDHELD OTDR... REINVENTED

The OTDR is handy, lightweight and rugged enough for any outside environment. With a 5.6-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. It delivers FastFibre's tried and true OTDR quality and accuracy along with the best optical performance for right-first-time results, every time.

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

Most importantly, the OTDR 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-functional

1. OTDR

2. Light Source

3. Power Meter

4. VFL
   Visual fault locator, which emmits red light (650nm) to locate cable break point.

5. Inspector
   Used to check fibre connector endface. Inspection probe sold separately.

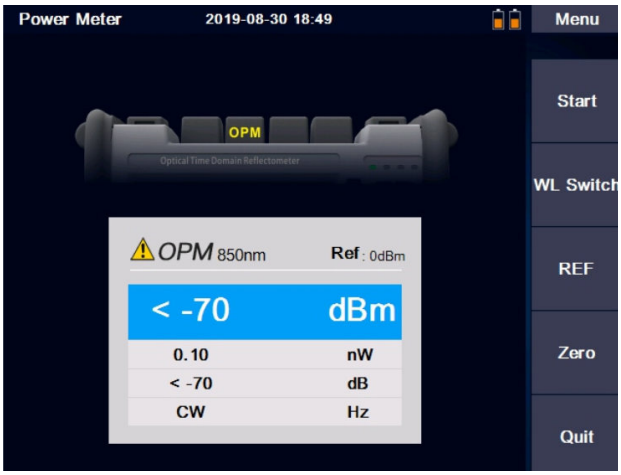
6. Event Map
   Event Map displays user friendly icons to indicate events.

7. I.L Testing
   OPM and OLS can be turned on at same time to test insertion loss.

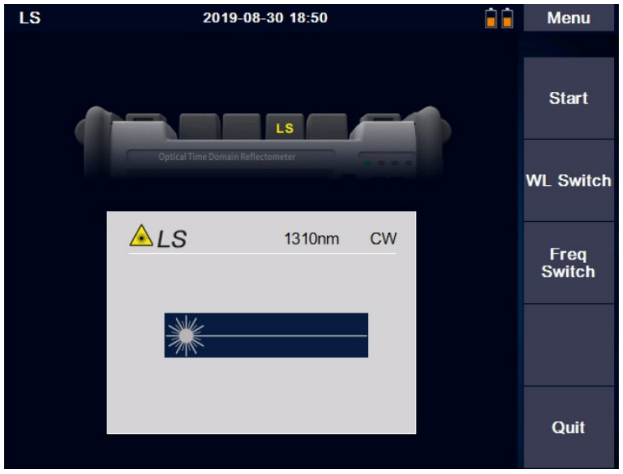
8. Report Print
   The OTDR comes with PC software to help print out test reports.

Functions Display

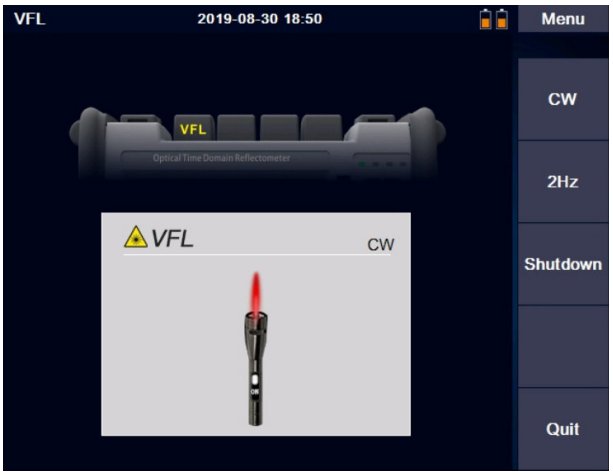
OTDR



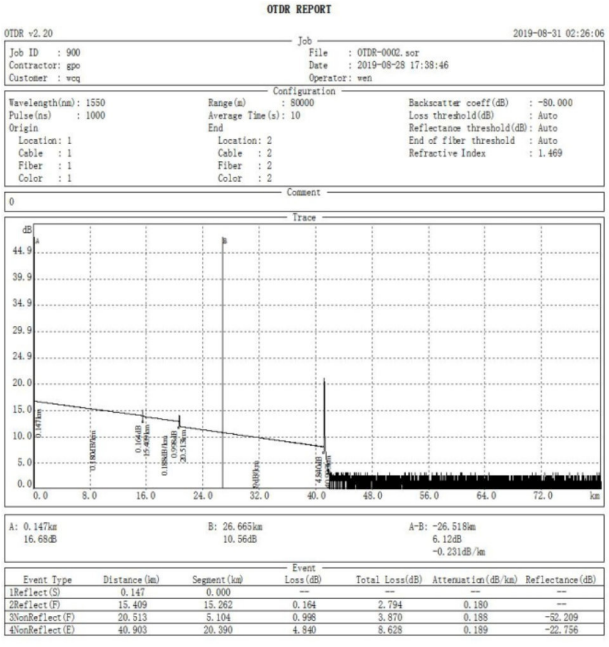
Optical power meter



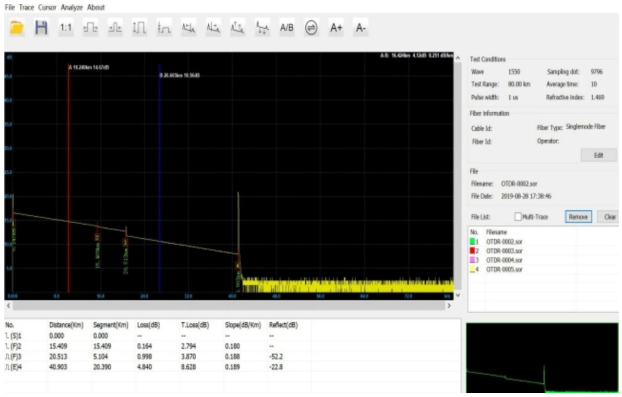
Optical light source



Visual fault finder



Printed testing report

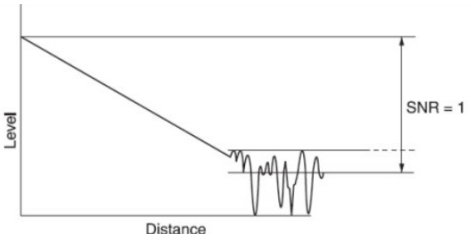


PC Software

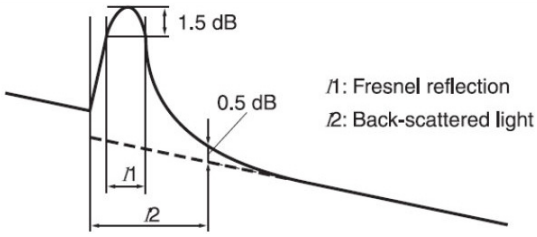
General	
Size/Weight	215 x 155 x 68 mm/1.1kg (battery included)
Display	5.6 inch touch-sensitive TFT-LCD screen
Interface	1 x USB, 1 x USB Mini, 2 x OTDR port, 1 x VFL port, 1 x Power Meter Port, 1 x Charging Port
Power Supply	10V (dc), 100V (ac) -240V (ac), 50~60Hz 7.3V/2500mAh x 2 Lithium battery (with air traffic certification)
Battery	Operating time: 8 hours, Charging time: <3 hours
Power Saving	Back light: Common/Highlight/Power Saving/Customised Auto power off: Never/1 min/5 min/10 min/30 min/60 min
Data Storage	Internal memory: 16GB (about 100,000 curves)
Language	English, Spnish, French, Korean, Italian, Russian, Portugal, Hebrew
Environmental Conditions	Operating temperature and humidity: -10°C~+50°C, ≤95% (non-condensation) Storage temperature and humidity: -20°C~+75°C, ≤95% (non-condensation)
OTDR Module	
Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs
Distance Range	100m, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 200km, 250km
Sampling Resolution	Min. 5cm
Sampling Point	Max. 256,000 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	0.01dB
Distance Resolution	0.01m
IOR Setting	1.2000~1.5999, 0.0001 step
Units	km, miles, feet
OTDR Trace Format	Telecordia universal, SOR, issue 2 (SR-4731)
VFL Module	
Wavelength	650nm
Output Power	10mw, CLASS III B
Range	12km
Launching Mode	CW/2Hz
OPM Module	
Wavelength	650nm
Test Range	10mw, CLASS III B
Resolution	12km
Accuracy	CW/2Hz
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

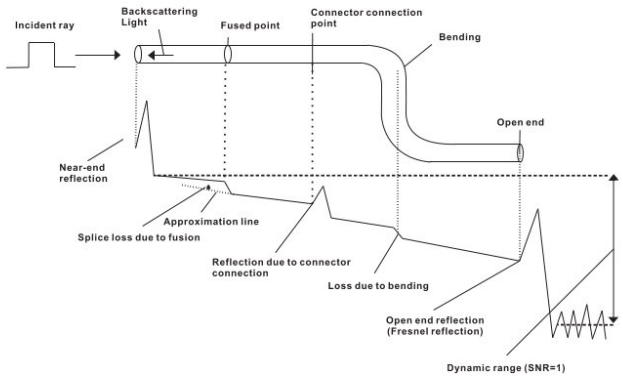
Dynamic range is measured with maximum pulse width, averaging time is 3 minutes, SNR=1;
The level difference between the RMS noise level and the level where near end back-scattering occurs.



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
F200-OTDR-S2	1310/1550 nm	35/33 dB	0.8/4 m
F400-OTDR-Q2	1310/1550/850/1300 nm	35/32/20/26 dB	0.8/4 m, 1.2 m/5 m

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