

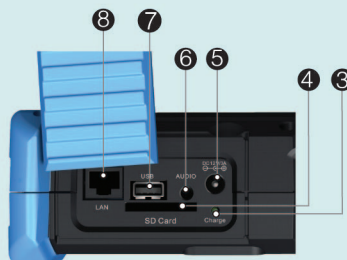
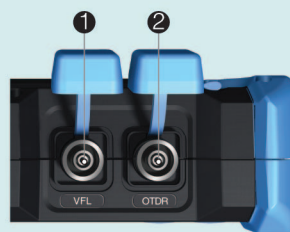
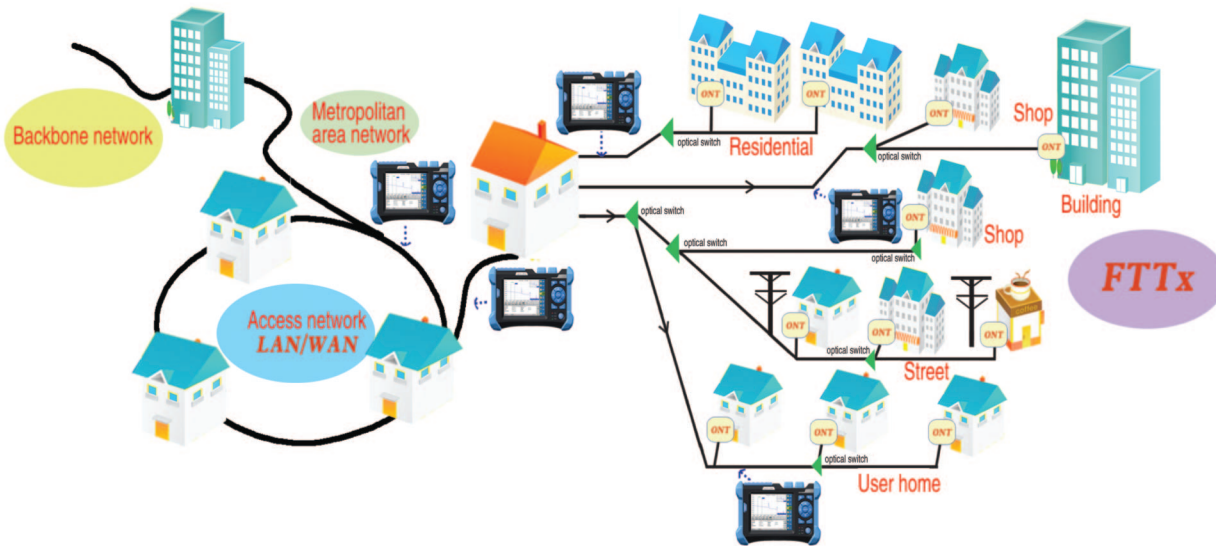


Optical Time Domain Reflectometer TR600

- Large touch screen + shortcut keys, easy to operate.
- Large-capacity polymer lithium battery, with superlong working hours.
- Intelligent testing, simple use, powerful function.
- Media of Memory Card + SD card, with superlarge storage capacity of traces.
- Able to meet FTTx testing needs
- Several wavelengths can be chosen.
- Solid casing design, dustproof and shockproof.

More powerful performance, much easier operation, more efficient work.

To meet the needs on the wide range of measurement by FTTx, Metropolitan Area Network, Backbone Network and other optical networks.



- ① Optical interface 1/VFL
- ② Optical interface 2/OTDR
- ③ Charging indicator
- ④ SD card interface
- ⑤ Power adapter interface
- ⑥ Earphone interface
- ⑦ USB interface
- ⑧ Ethernet interface

Technical Specifications¹

Wavelength (nm)	850/1300	1310/1550	1310/1490/1550	1625
Dynamic range (dB) ²	23/21	32/30 38/36	32/30/30	34 ⁴ 36 ⁵
Pulse width (ns)	5,20,40,80,160,320,640,1280	5, 20, 40, 80, 160, 320, 640, 1280, 2560, 5120, 10240, 20480		
Event blind zone (m) ³	≤ 3			
Attenuation blind zone (m) ³	≤ 13			
Display	5.6" LCD touch screen			
Linearity (dB/dB)	± 0.05			
Loss threshold (dB)	0.05			
Loss resolution ratio (dB)	0.01			
Sampling resolution ratio (m)	0.125 to 8			
Sampling point	32K			
Distance uncertainty (m)	± (1 m + 5 × 10 ⁻⁵ × distance + sampling interval)			
Distance scope (km)	0.3 to 180			
Typical real-time refreshing duration (s)	0.2			
Memory capacity of trace	SD Card (4G), > 10000 pieces			
Duration of measurement	Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable			

General specification

Dimension (H × W × D)	150 × 235 × 66mm
Weight	1.5kg
Temperature	Running temperature -10°C to +50°C
	Memory temperature -40°C to +70°C
Relative humidity	0% to 95% (non condensation)
Power supply	Lithium battery; continuing working duration ≥ 8 hours

Interface category

Optical interface	FC/UPC (PC, and APC are selectable)
Data interface	USB interface, SD card interface

Visible failure orientation VFL

Wavelength	650nm
Output power (dBm)	≥ -3
Maximum testing distance	3km

Remarks:

1. The technical specification describes the ensured performance of the instrument when using typical PC model connector to measure. Without considering the uncertainty caused by optical fiber refractivity.
2. Dynamic range is the data measured under the condition of the maximum pulse width and 3 minutes of average time. Dynamic range is the data measured under the condition of 180km/20480ns/3min.
3. Measuring conditions of blind zone: reflection event is within 4Km, reflection strength < -35dB. Measured by the minimum pulse width.
4. Dynamic range measured when there is filter.
5. Dynamic range measured when there is no filter.

ORIENTEK TR600 OTDR Meter:

Automatic Measurement Mode: Only by selecting the measurement wavelength, the measurement parameters are automatically set, and the trace data is automatically saved and automatically analyzed.

Multi-wavelength Measurement Mode: In the parameter setting, the wavelength can be automatically switched into the multi-wavelength measurement mode. Under this mode, the analysis can be achieved on the attenuation state of the same fiber section under different wavelengths.

Trace Fixing Function: It can achieve the same-screen comparison and display of one trace with another real-time trace or the trace under the average measurement, which is very useful for the installation of multi-core fiber or the checking of the aged fiber in the optical fiber network already been installed,

Multi-wavelength Analysis Function: It can achieve the comparison, display and analysis functions of any trace file.

FTTx online testing, able to identify the splitter and the fiber' s end.

Large-capacity lithium-ion rechargeable battery, with the long standby time over 8 hours.

Bellcore file format (.sor), with the storage of greater than 10,000 traces.

Communication Light Detection: It can effectively protect the test instrumentation and communication equipments.

Connection State Detection: To promptly know the connection status of the instrumentation and the fiber for test.

The Switching of Measurement Mode: Through the shortcut key operation, it can achieve the flexible switching of real-time measurement mode and average measurement mode.

ORIENTEK OTDR TracesManager PC software:

To achieve easily the function of bulk amendment and batch printing.

Able to generate different forms of test reports according to user needs.

To provide various flexible printing modes: The single-page single-trace printing mode, the batch printing mode, the single-page multi-trace printing mode, the printing mode of multi-waveform display. To provide the personalized selection of printing options and page setup.

The Function of Waveform Difference Comparison: It can open several waveforms in the same window, making more easily the comparison of parameter change caused by fiber aging or other reasons.



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