

Fiber Optic Testers



Quad / PON OTDR



Multimode / Single-mode OTDR

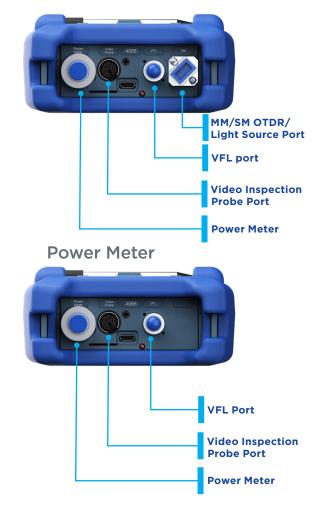
The TREND **FiberMASTER** range provides powerful performance in a small package. A simplified user interface is easy for beginners yet has full manual and custom setups for experienced users.

Tier 2 OTDR certification fast and accurate with instant-on, zero boot times and selections for TIA/ISO/IEEE/CENELEC standards to eliminate setup errors.

Match a light source with an OTDR to perform end-to-end testing on multimode or single-mode cable using the included power meter.

The PON OTDR features ultra-high dynamic range to measure 1:32 splitters for installation testing and troubleshooting.

- **R240-QIP** Quad OTDR with Inspection port and Power meter
- R240-MIPV MM OTDR with Inspection port, Power meter, VFL
- R240-SIPV SM OTDR with Inspection port, Power meter, VFL
- **R240-PIV** PON OTDR with Inspection port and Power meter
- R240-LSIV Quad wavelength light source with inspection port and VFL
- R240-PMIV Broad wavelength power meter with inspection
 port and VFL
- **R240-PMLS** Power Meter & Light Source with Inspection port and VFL on each unit.
- **R240-VIP** Video Inspection Probe with 150-300x magnification



FiberMASTER Specifications at 25 °C

OTDR	
Safety: FDA/CDRH and IEC-825-1	Class 1
Number of data points	
•	Up to 256 km
Minimum sampling resolution	
	±(0.75m + 0.005% x Distance + Sampling Resolution)
Attenuation resolution	
Attenuation linearity	
Central wavelength RMS dynamic range Pulse widths Event dead zone Attenuation dead zone	850/1300 ±20 nm1310/1550 ±20 nm1625 ±20 nm29/30 dB37/38 dB36/35 dB5 ns to 1 μs5 ns to 20 μs5 ns to 20 μs1 m1 m1 m
Connector styles	SC/UPC (SC/APC on PON model). ST/FC optional
Light Source	
Wavelengths	QUAD: 850, 1300, 1310, 1550 nm. PON: 1310, 1550, 1625 nm
Output power	0 dBm
Modulation	CW, 270 Hz, 1000 Hz, 2000 Hz
VFL	
Wavelength	650 nm ±5 nm
Connector	2.5mm universal
Output power	1 mW maximum
Power Meter	
Connector styles	LC, SC, FC, ST, 2.5 mm universal, 1.25 mm universal
Dynamic range	+5 dBm to -77 dBm
Calibrated wavelengths	850, 1300, 1310, 1490, 1550, 1625 nm.
Power meter uncertainty	± 0.18 dB under reference conditions ± 0.25 dB from 0 to -65 dBm ± 0.35 dB from 0 to +5 dBm and from -65 to -77 dBm
Units of measurement	dBm, dB
Resolution	0.01 dB
General	
	3.5-inch (8.9 cm) color resistive touchscreen
Display resolution	240 x 320
Dimensions	170 x 106 x 50 mm (6.69 x 4.17 x 1.97 in)
Weight	700 g (1.5 lbs)
Communications interfaces	Micro USB, Bluetooth
Storage	Up to 40,000 records depending on file size
Battery	30 Wh, rechargeable Lithium-polymer, up to 10 hours of operation
Power supply	Input: 100-250VAC, 50/60Hz, Output: USB 5VDC, 2A



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