TM OPTICS®

TM-56D MINI OTDR

Product overview

TM-56D MINI OTDR integrates 6 major functions: OTDR, Light Source, Optical Power Meter, VFL, RJ45 Sequence Test, and Lighting. Simple parameter setting and intelligent measurement make the operation more simple and efficient. The model is small and light, easy to carry.

TM-56D mainly used to measure the length, loss, average loss, return loss, connection quality, etc. of various optical fibers and cables. It detect and warn automatically when measuring live fiber. TM-56D has impact resistance with protective rubber case, dustproof IP5x, waterproof IPx2.

Physical indicators：

1) 3.5-inch capacitive touch screen, TFT 800x480 resolution
2) Minimum measurement: 2.5m
3) Type C USB interface
4) Palm design, compact and lightweight
5) Lithium battery, standby time > for 20 hours

Specifications

Model	TM-56D
Wavelength	1310 ± 20nm/1550 ± 20nm
Dynamic Range	27/27dB
Fiber type	G.652, G.657
Event dead zone	< 2.5m
Attenuation dead zone	< 8.0m
Measuring range	100m, 500m, 2km, 5km, 10km, 20km, 40km, 60km, 80km
Pulse width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs
Accuracy	±(1m + 0.003% x distance + sampling resolution)
Linearity	±0.05dB/dB
Display range	0dB to 40dB
Sampling points	128000
Sampling resolution	5cm
Loss resolution	0.001dB

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Return loss threshold	-11 to -99dB
Range resolution	0.001m
Refractive index	1.0000~2.0000
Reflection accuracy	±3dB
Safety level	Class II
File format	.sor
Memory	8GB (>4000 test results)
Data interface	USB Type C
Connector	SC/FC/ST
Screen	3.5-inch TFT-LCD, 800x480 dpi
Power supply	100-240VAC, 50/60 Hz
Battery	3.7V/4400mAh, Measuring 12 hours
Temperature	Working temperature：-10℃~+50℃； Storage temperature：-40℃~+70℃
Humidity	0~95%, non-condensing
Size/Weight	170x120x30mm / 0.38kg (Include the battery)
OPM	Type A：+10dBm~-70dBm; Type B：+26dBm~-50dBm
VFL	10mW，CW/2Hz, Laser safety according to CFR Class 2
LS(Laser Source)	1310/1550nm, output power：-5dBm
RJ45 test	Support network wire sequence testing and wire alignment

Accessories

Standard	**FC/SC adaptor, Power adapter, USB cable,** **Quick guide, Portable package**