



Multi-function OTDR

OTDR/OPM/OLS/VFL/IOLM/Fiber Microscope

- Multi-wavelength:
1310/1550/1625/1650/
1490/850/1300nm
- Multi-dynamic:
42/40/38/35/32/30/26dB
- Capacitive Touch Screen





T&M TOOLS CO., LIMITED



LARGE TOUCH SCREEN

Simple Use, Powerful Function



T&M Tools Co., LTD
Email: info@tmtools.com.cn

Web: www.tmtools.com.cn
WhatsApp: +86 18953360490



Introduction

TMO350 series Optical Time Domain Reflectometer(OTDR) is the new generation of intelligent meter for the detection of fiber communications systems. With the popularize of optical network construction in cities and countrysides, the measurement of optical network became short and disperse, TMO350 is specially designed for that kind of application, its economic and also have outstanding performance.

Features

- ◆ Integrated design ,smart and rugged.
- ◆ Small and light ,easy to carry.
- ◆ 1625nm online detection module with filter is available as a option for a online FTTx/PON detection.
- ◆ Multi-measuring mode, simple to use,finish measurement by just one button.
- ◆ Realtime measuring function, convenient to monitor the splicing process.
- ◆ Internal large power visual laser source for accurate positioning the closer fault point.
- ◆ Internal -5dBm stable laser source.
- ◆ Warning function could prevent module of OTDR damaged by optical signal.
- ◆ Integrated with 2 main USB and one sub USB port, for controlling by PC or connect external instrument.
- ◆ Support chinese and english input,friendly interface,analog keyboard capable.
- ◆ Integrated with 8G internal memory. Storage more than 80000 groups curve.
- ◆ Provide data simulation software to process, generate and print report.
- ◆ Battery indicate function.
- ◆ Long working hours for outdoor operation
- ◆ **Fiber Microscope (x400) --Optional**
- ◆ IOLM Function
- ◆ Visual Fault Locator function
- ◆ Optical Power meter function
- ◆ Optical Light Source function
- ◆ Mutiwavelengths: 1310/1550nm; 850/1300nm; 1310/1550/850/1300nm;
1310/1550/1625nm; 1310/1490/1550nm; 1310/1490/1625nm,1650nm etc



Specification

Type	TMO350-S-AB38
Testing wavelength	1310/1550/1625nm
Dynamic range	38/35/36dB
Event Dead Zone	1m
Attenuation Dead Zone	5m
Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs
Testing Distance	500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km
Measurement Time	Use-defined (smart link) ; with real-time measurement function
Linearity	≤0.05dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Sampling Resolution	minimum 0.25m
Sampling Point	Maximum 128,000 points
Distance Accuracy	$\pm(1m + \text{measuring distance} \times 3 \times 10^{-5} + \text{sampling resolution})$
Internal visual source	10mw, CW/2Hz
Stable laser source	>-5dBm
DataStorage	80000 groups of curve
Interface	3 USB port
Display	7 inch capacitive touching screen
Battery	7.4V/6.6Ah lithium battery, continuous 8-10 hours
Working Temp	-10℃~+50℃



Storage Temp	-20℃~+75℃
Relative Humidity	≤90%, non-den
Dimension	230×185×70mm / 1.5kg
Accessories	Main unit, 8.4V power adapter, Lithium battery, FC adapter, USB cord, User guide, CD disk, carrying case
Option	SC/ST, Bare fiber adapter

Optional Functions:

Optical Power Meter: 850/1300/1310/1490/1550/1625nm; -70~+10db or

-50~+26db

Optical Light Source: 1310/1550nm

Applications

- ◆ Measure the loss of splicing points, optical connectors and adapters.
- ◆ Measure the loss of single fiber or cable.
- ◆ Measure the length of cable ,set different refractive index for various fibers.
- ◆ Locate the position of broken point, Optical connector and adapter.
- ◆ Measure the discrete reflection ratio between SR points.
- ◆ Measure return loss for whole fiber circuit including connecting points and s points.



Products pictures:





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PRODUCT LIST



NO	Name	Qty
1	OTDR	1
2	AC/DC Charger	1
3	USB data cable	1
4	FC adaptor	1
5	SC adaptor	1
6	ST adaptor	1
7	User manual	1
8	U-Disk (CD)	1
9	Calibration certificate	1
10	Cleaning cotton swab	1