

Multi-Function Smart OTDR TM52

PRODUCT FEATURES

- TM-52 smart OTDR integrates 6 major functions: Otdr, Light Source, Optical Power Meter, VFL, RJ45 Sequence Test, and Lighting. It's small and light, easy to carry. The large capacity battery ensures 10 hours of long time measurement and 20 hours of long standby, providing guarantee for field testing.



PHYSICAL INDICATORS

3.5-inch capacitive touch screen,
TFT 800x480 resolution

Minimum measurement: **2.5**m,
Maximum testing **80**km

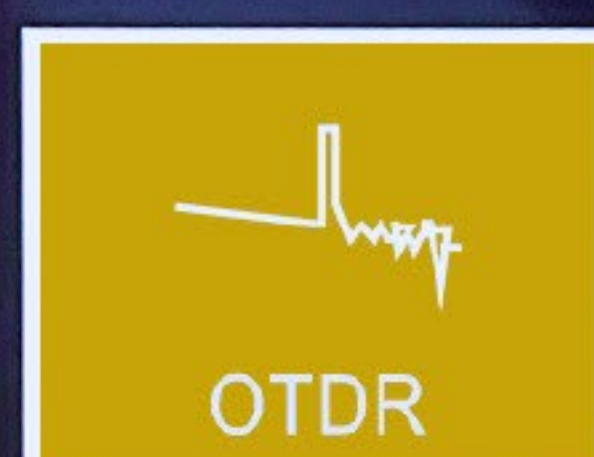
TYPE C USB interface

Palm design, only **0.3kg**

Lithium battery, standby time > for **20** hours

Smart OTDR

2022/12/01 16:04



OTDR

VFL

VFL

OPM

+6.66dBm

OPM

-5.00dBm

LS



EventMap



Loss Test



RJ45



System

CHR POWER LS OTDR VFL OPM

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OK

ESC

SHIFT

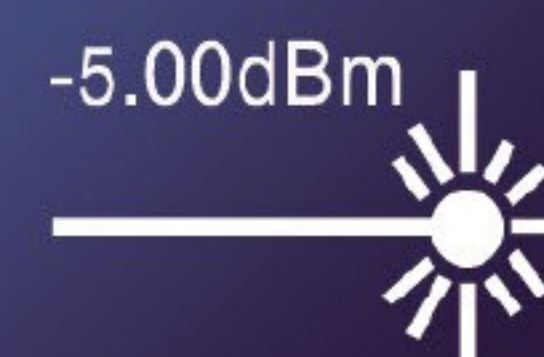
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OTDR

OPM

+6.66dBm
Power meter



-5.00dBm
Light source

VFL

Red laser VFL



Event map



RJ45 testing



Lighting



Loss tester

8 FUNCTIONS



Technical indicators

Model No.	TM-52D	TM-52S1	TM-52S2	TM-52S3	TM-52S4	TM-52S5
Wavelength: nm	1310/1550	1310	1550	1610	1625	1650
Dynamic Range	24/22dB	24dB	22dB	22dB	22dB	22dB
Fiber type	G.652, G.657					
Event dead zone	< 2.5m					
Attenuation dead zone	< 8.0m					
Measuring range	100m 500m 1km 2km 5km 10km 20km 40km 60km 80km					
Pulse width	5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs					
Accuracy	±(1m+sampling interval+0.005*measuring range)					
Linearity	0.2dB/dB					
Sampling points	Maximum 64000					
Sampling resolution	25cm ~ 8m					
Loss resolution	0.001dB					
Range resolution	0.001m					
Refractive index	1.0000~2.0000					
Reflection accuracy	±3dB					
Safety level	Class IIIB					
File format	.sor					
Memory	>1000, support external SD					
Data interface	USB Type C					
Connector	SC/FC/ST					
Screen	3.5-inch TFT-LCD					
Battery	3.7V/4500mAh					
Temperature	Working temperature: -10℃~+50℃; Storage temperature: -40℃~+70℃					
Humidity	≤90% (No condensation)					
Size/Weight	170x120x30mm / 0.34kg (Include the battery)					
OPM	Type A: +10dBm~-70dBm; Type B: +26dBm~-50dBm					
VFL	15mW, CW/2Hz					
LS(Laser Source)	1310/1550nm, output power: -5dBm					
Rj45 test	Support network wire sequence testing and wire alignment					