Mini Pro OTDR DT-700

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Variants

SC UPC SC APC

Details

The **DT-700 Series Mini Pro OTDR** is a compact, lightweight, and multifunction optical fiber testing device designed for FTTH deployment, ISP maintenance, telecom networks, data centers, and fiber troubleshooting applications.

Combining **OTDR, Optical Power Meter, Visual Fault Locator, Stable Light Source, RJ45 Cable Tester, and Flashlight** into a single portable device, the DT-700 offers powerful testing capabilities while maintaining an ultra-portable palm-size design.

Dynamic Range

24/22 dB

Testing Distance

80 KM

Battery Backup

20 Hours

Display

3.5"

Key Features

? Compact Mini Pro OTDR Design

? OTDR + OPM + VFL + Light Source All-in-One

? RJ45 Cable Sequence & Line Finder Function

? Up to 90km Fiber Testing Range

? Capacitive Touch Screen Operation

? Universal FC / SC / ST Connector Support

? USB Type-C Charging

? Internal Memory + SD Card Expansion

General Specifications

Category	Specification
Model	DT-700

Category	Specification
Product Type	Mini Pro OTDR (Multi-Function Device)
Display	3.5" TFT LCD, Capacitive Touch Panel
Design	Compact, Palm Size, Lightweight
Functions	OTDR, Light Source, VFL, RJ45 Tester, Flashlight
Battery Backup	Up to 20 Hours

OTDR Performance

Parameter	Specification
Wavelength	1310 / 1550 ±20 nm
Dynamic Range	24 / 22 dB
Fiber Type	G.652D
Event Dead Zone	2.5 m
Attenuation Dead Zone	8 m
Measuring Range	100 m – 90 km
Pulse Width	5 ns – 10 ?s
Accuracy	± (1m + Sampling Interval + 0.005% × Distance)
Linearity	±0.2 dB/dB

Parameter	Specification
Sampling Resolution	25 cm – 8 m
Sampling Points	Max. 20,000
Loss Resolution	0.001 dB
Reflection Accuracy	±3 dB

Integrated Functions

Function	Specification
Light Source Wavelength	850 / 1300 / 1310 / 1490 / 1550 / 1625 / 1650 nm
Laser Source	1310 / 1550 nm (Single Mode)
Laser Type	FP-LD
Visual Fault Locator	?10mW Red Laser
Power Meter Range	A: -70 ~ +10 dBm B: -50 ~ +26 dBm
RJ45 Function	Cable Sequence & Line Finding
Tone Frequency	270Hz / 330Hz / 1kHz / 2kHz

System & Physical Parameters

Parameter	Specification

Output Power	-5 dBm ±2 dB
Battery	4000mAh / 3.7V Lithium Battery
Power Adapter	USB Type-C
Connector	Universal FC / SC / ST
Memory	?1000 Internal Records + SD Card Support
Measurement Uncertainty	±5%
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Humidity	0 ~ 90% (Non-condensing)
Dimensions	170 × 120 × 30 mm
Weight	340 g

Applications:

FTTH Installation • ISP Maintenance • Telecom Networks • Fiber Fault Detection • Data Centers • Fiber Acceptance Testing • Optical Network Troubleshooting • ODN Verification

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