D-TECH Mini Pro OTDR Series 300

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Variants

Mini OTDR 300-D1 UPC

Details

The **D-TECH DT-300 Series OTDR** is a compact and lightweight optical testing instrument designed for FTTH deployment, ISP maintenance, telecom troubleshooting, and fiber optic network certification. Combining OTDR, Optical Power Meter, Visual Fault Locator, Optical Light Source, Event Map, and Flashlight functions in a single device, it provides an efficient all-in-one testing solution.

Featuring a **3.5-inch capacitive touch screen**, support for multiple wavelengths, standard **.SOR file format**, online testing capability, and up to **80km measurement range**, the DT-300 Series is ideal for both field engineers and network maintenance teams.

Dynamic Range	**22 dB**
Max Distance	**80 km**

Display

3.5" Touch

Battery

8 Hours

Key Features

? OTDR, OPM, VFL, Light Source, Event Map & Flashlight in one device

? Up to 22 dB dynamic range

? Supports online testing up to 0 dBm

? Standard .SOR file format support

? Automatic optical protection system

? Compact pocket-size design (215g)

General Specifications

Category	Specification
Product Type	Optical Time Domain Reflectometer (OTDR)
Models	DT-300-D1 / DT-300-D2
Display	3.5-inch Color Capacitive Touch Screen

Category	Specification
Functions	OTDR, Event Map, OPM, VFL, Light Source, Flashlight
Fiber Type	G.652D
Wavelength Options	1310 / 1550 / 1610 / 1625 / 1650 nm
Connector	Universal / SC

OTDR Performance

Parameter	Specification
Dynamic Range	Up to 22 dB
Event Dead Zone	2 m
Attenuation Dead Zone	8 m
Measuring Range	100 m – 80 km
Pulse Width	5 ns – 10 ?s
Accuracy	±(1 m + Sampling Interval + 0.005% × Distance)
Linearity	±0.2 dB/dB
Sampling Points	Up to 20,000
Sampling Resolution	25 cm – 8 m
Loss Resolution	0.001 dB

Parameter	Specification
Range Resolution	0.001 m
Refractive Index	1.0000 – 2.0000
Reflection Accuracy	±3 dB
File Format	Standard .SOR

Additional Functions

Feature	Specification
Safety Level	OTDR/LS: Class 2, VFL: Class 3B
Online Testing	Supported (Max 0 dBm)
Optical Protection	Automatic Protection
OPM Wavelength	850 ~ 1650 nm
OPM Range	-70~+10 dBm / -50~+26 dBm
Light Source	FP-LD / DFB
VFL	650nm Red ?10mW / 515nm Green ?10mW
Frequency	270Hz / 330Hz / 1kHz / 2kHz
Output Power	-5 dBm ±3 dB

System & Physical Specifications

Parameter	Specification
Battery	2000mAh / 3.7V
Working Time	Approximately 8 Hours
Standby Time	Approximately 15 Hours
Charging Interface	USB Type-C
Memory	Internal ?400 Records + External SD Card
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Humidity	0% ~ 90% Non-Condensing
Dimensions	130 × 78 × 35 mm
Weight	215 g

Applications: FTTH Installation, ISP Maintenance, Telecom Backbone Testing, Fiber Fault Location, Optical Link Certification, Data Center Fiber Networks and ODN Troubleshooting.

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