Mini Pro OTDR DT-800

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Variants

SC UPC SC APC

Details

The **D-TECH DT-800 Optical Time Domain Reflectometer (OTDR)** is a compact and powerful fiber optic testing instrument designed for FTTH, ISP, telecom, enterprise, and backbone fiber network maintenance. It provides precise fault location, splice loss measurement, fiber length testing, and attenuation analysis.

Featuring dual wavelengths **1310nm / 1550nm**, up to **90km measurement range**, and support for standard **.SOR file format**, the DT-800 delivers reliable performance for both installation and troubleshooting applications.

Wavelength	**1310/1550nm**
Dynamic Range	**24 / 22dB**

Maximum Range

90km

Sample Points

20,000

Key Features

? Dual wavelength testing at 1310nm & 1550nm

? Dynamic range up to 24dB / 22dB

? Event dead zone as low as 1.5 meters

? Supports measurement distances up to 90km

? Compatible with standard .SOR OTDR file format

? Compact lightweight portable design

Technical Specifications

Parameter	Specification
Model	DT-800
Wavelength	1310 / 1550 ±20nm
Dynamic Range	24 / 22 dB

Parameter	Specification
Fiber Type	G.652D
Event Dead Zone	1.5 m
Attenuation Dead Zone	7 m
Measuring Range	100m, 500m, 1km, 2km, 5km, 10km, 20km, 40km, 60km, 90km
Pulse Width	5ns, 10ns, 20ns, 50ns, 100ns, 275ns, 500ns, 1?s, 2?s, 5?s, 10?s
Accuracy	± (1m + Sampling Interval + 0.005% × Measuring Range)
Linearity	±0.2 dB / dB
Sample Points	Maximum 20,000
Sampling Resolution	20 cm ~ 8 m
Loss Resolution	0.001 dB
Range Resolution	0.001 m
Refractive Index	1.0000 ~ 2.0000
Reflection Accuracy	±3 dB
File Format	Standard .SOR File Format
Laser Safety	Class 3B
Operating Temperature	-10°C ~ +50°C

Parameter	Specification
Storage Temperature	-40°C ~ +70°C
Humidity	0 ~ 90% (Non-condensing)
Dimensions	175 × 105 × 45 mm
Weight	450 g (Including Battery)

Applications

- FTTH Deployment
- ISP Network Maintenance
- Fiber Fault Location
- Telecom Backbone Testing
- Data Center Fiber Networks
- Optical Link Certification

Ideal For: FTTH installers, ISP engineers, telecom operators, fiber maintenance teams, and enterprise network technicians requiring accurate fiber testing and fault analysis.