

# D-TECH Mini Pro OTDR Series 300

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## Variants

D-TECH 300-D1 UPC

## Details

### DT-300 Series OTDR – SC

Category	Specification
Product Type	Optical Time Domain Reflectometer (OTDR)
Models	DT-300-D1 / DT-300-D2
Display	3.5-inch Color Capacitive Touch Screen
Functions	OTDR / Event Map / OPM / VFL / Light Source / Flashlight
Fiber Type	G.652D
Wavelength Options	1310 / 1550 / 1610 / 1625 / 1650 nm

## OTDR Performance

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 $\mu$ s
Accuracy	$\pm(1 \text{ m} + \text{sampling interval} + 0.005\% \times \text{distance})$
Linearity	$\pm 0.2 \text{ dB/dB}$
Sampling Points	Up to 20,000

Sampling Resolution	25 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

## Additional Features

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

## System & Physical

Battery	2000 mAh / 3.7V
Working Time	~8 hours
Standby Time	~15 hours
Power Interface	USB Type-C
Connector	Universal / SC
Memory	Internal ?400 + External SD
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +70°C

Humidity	0% – 90% (non-condensing)
Dimensions	130 x 78 x 35 mm
Weight	215 g

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