

Mini Pro OTDR (DT-700)

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Variants

APC UPC

Details

DT-700 Series OTDR

General Overview

Category	Specification
Model	DT-700
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

Wavelength	1310 / 1550 \pm 20 nm
Dynamic Range	24 / 22 dB
Fiber Type	G.652D
Event Dead Zone	2.5 m
Attenuation Zone	8 m
Measuring Range	100 m – 90 km (multiple ranges)

Pulse Width	5 ns – 10 ?s
Accuracy	$\pm (1 \text{ m} + \text{sampling interval} + 0.005\% \times \text{distance})$
Linearity	$\pm 0.2 \text{ dB/dB}$
Sampling Resolution	25 cm – 8 m
Sampling Points	Max. 20,000
Loss Resolution	0.001 dB
Reflection Accuracy	$\pm 3 \text{ dB}$

Integrated Functions

Light Source Wavelength	850 / 1300 / 1310 / 1490 / 1550 / 1625 / 1650 nm
Laser Source	1310 / 1550 nm (SM)
Laser Type	FP-LD
VFL Output	?10 mW
Power Meter Range	A: -70 ~ +10 dBm, B: -50 ~ +26 dBm
RJ45 Function	Cable sequence / line finding
Tone Frequency	270 Hz / 330 Hz / 1 kHz / 2 kHz

System & General Parameters

Output Power	-5 dBm $\pm 2 \text{ dB}$
Battery	4000 mAh / 3.7 V
Power Adapter	USB Type-C
Connector	Universal (FC / SC / ST)
Memory	?1000 internal + SD card support
Measurement Uncertainty	$\pm 5\%$
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +70°C

Humidity	0 ~ 90% (non-condensing)
Size / Weight	170 × 120 × 30 mm / 340 g

Download

? Download Mini OTDR DT-700 Datasheet (PDF)

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