OTDR COMWAY M1

OTDR COMWAY M1

Variants

APC UPC

Details

OTDR COMWAY M1

The COMWAY M1 OTDR is a compact tablet-style optical time domain reflectometer designed for fast, accurate, and professional fiber testing. With a 7-inch full touchscreen, lightweight design, and up to 12 hours of battery backup, it is ideal for field engineers working on FTTH, backbone, and access fiber networks.

Overview

Parameter	Details
Model	COMWAY M1 OTDR
Display	7-inch Full Touchscreen (800 × 480 TFT)
Design	Tablet-style, lightweight & portable
User Interface	Professional UI & optimized UE
Operating Time	Up to 12 Hours
Resolution	5 cm (Shortest distance)
Event Dead Zone	Minimum 0.8 m
Dynamic Range	32 dB / 30 dB

Parameter	Details
Functions	OTDR + Optional VFL / OPM / Light Source / Fiber Inspection Probe

Optical Performance

Parameter	Specification
Wavelength	1310 ± 30 nm / 1550 ± 30 nm
Dynamic Range	30 dB / 28 dB
Event Dead Zone	1 m
Attenuation Dead Zone	4 m
PON Dead Zone	35 m
Distance Range	0.1 – 160 km
Pulse Width	5 – 20,000 ns
Linearity	±0.05 dB/dB
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.04 – 5 m
Sampling Points	Up to 256,000
Distance Uncertainty	±(0.75 + 0.0025% × distance + sampling resolution)
Reflectance Accuracy	±2 dB

Parameter	Specification
Real-Time Refresh	3 Hz

Live Port Filter

Parameter	Specification
Live Port Wavelength	1625 nm
High Pass Filter	>1595 nm
Isolation	>50 dB (1270 nm – 1585 nm)

System & Interfaces

Parameter	Specification
USB Ports	2 × USB 2.0
LAN Port	RJ45 (10/100 Mbps)
Internal Storage	2 GB (~20,000 traces)

Power & Battery

Parameter	Specification
Battery Type	Rechargeable Lithium-Polymer
Battery Backup	Up to 12 Hours
Power Input	100–240V AC, 50–60 Hz
DC Input	9–16V DC

Parameter	Specification
Power Consumption	?15 Watts

Display

Parameter	Specification
Screen Size	7-inch (178 mm)
Type	Outdoor Enhanced Touchscreen
Resolution	800 × 480 TFT

Measurement

Parameter	Specification
Measurement Time	User-defined (Max 60 minutes)

Packing List

Item	Description
OTDR Unit	COMWAY M1 OTDR
Power Adapter	AC/DC Adapter
Battery	Built-in Lithium Battery
Connector	Extra Adapter (SC or FC)
Certificate	Calibration Certificate
Carry Case	Carrying Bag with Shoulder Strap

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