

PROLITE-44

LINK MAPPING CAPABILITY

MULTIFUNCTION mini OTDR 1310 / 1550 nm

- ✓ 4-inch color LCD screen.
- ✓ Intuitive mobile-like, multi-touch operation for a seamless user experience.
- ✓ Maximum field convenience with a compact, portable, lightweight, and user-friendly design.
- ✓ Integrated 10 mW stabilized laser source VFL.
- ✓ Optical power meter.
- ✓ Features a fiber link mapping capability and a utility flashlight.
- ✓ 1650 nm live fiber testing module is available.
- ✓ Delivers minimal testing latency for real-time measurements and a high trace acquisition rate.



SPECIFICATIONS	PROLITE-45	PROLITE-44
SCREEN	5-inch Color Capacitive Touch LCD (Multitasking Interface)	4-inch Color Capacitive Touch LCD (Multitasking Interface)
PULSE WIDTH Single mode fiber	3 ns ~ 20 μs	3 ns ~ 10 μs
WAVELENGTH	1310 / 1550 nm	
DYNAMIN RANGE	24 / 22 dB	22 / 20 dB
DEAD ZONE EDZ (event)	1,5 m	3 m
ADZ (attenuation)	8 m	10 m
Distance	500 m, 1, 2, 4, 8, 16, 32, 64, 100 km	500 m, 1, 2, 5, 10, 20, 40, 60 km
Average time	5s, 15s, 30s, 1 min, 2 min, 3 min	
ACCURACY Measure of length	±(1 m x 5x10 ⁻⁵ x Distance + sampling space)	± (1 m x 3x10 ⁻⁵ x Distance + sampling space)
CONNECTOR TYPE	SC / APC interchangeable SC, ST	
VISUAL FAULT LOCATOR (VFL) Wavelength	650 nm	
Output power	≥ 10 mW	
Modulation	CW / 1 Hz / 2 Hz	
Connector	Universal	
OPTICAL POWER METER Calibrated wavelengths	850, 1300, 1310, 1490, 1550, 1625, 1650 nm	
Power range	-50 ~ + 26 dBm	-40 ~ + 10 dBm
Detector type	InGaAs	
Connector	Universal	
CONNEXIVITY (data interface)	USB Type C	
POWER SUPPLY Battery	Li-Ion 3,7 V, 6600 mAh	Li-Ion 2000 mAh
Mains adapter	5 VDC, 2 A (included)	Fast charge, USB-C port
Battery operation time	8 hours of continuous operation, 20 hours of standby	4 to 6 h of continuous operation (light screen off)
OPERATING ENVIRONMENT CONDITIONS Operating Temperature	From -10°C ~ 50°C	
Storage Temperature	From -40°C ~ 70°C	
Relative Humidity	From 0 ~ 95% (Non-condensing)	
MECHANICAL FEATURES Dimensions	190 (W.) x 130 (H.) x 65 (D.) mm	85 (W.) x 148 (H.) x 37 (D.) mm
Weight	0.7 kg (including battery)	0.275 kg (including battery)