

PROLITE-45

OTDR (1310, 1550 NM) WITH VISUAL FAULT LOCATOR (VFL) & 8-HOUR CONTINUOUS RUNTIME

**LINK MAPPING
CAPABILITY**



High-performance, ultra-compact, and economical OTDR with an extra-large touchscreen

Compact, user-friendly, and cost-effective, the **PROLITE-45** offers enhanced testing capabilities, flexibility, and accuracy. It combines fiber optic testing and cable testing functions in a single unit, including automatic and expert OTDR modes, Link Image, Optical Power Meter, Stabilized Laser Source, Optical Loss Tester, and Visual Fault Locator (VFL).

Equipped with a built-in LED flashlight and a long-lasting 6600 mAh lithium battery, it ensures technicians can operate seamlessly in challenging dark and remote locations. The **PROLITE-45** is the versatile fiber optic instrument designed to handle all your network testing needs.

- ✓ Compact, portable, lightweight, and easy to use.
- ✓ 5-inch capacitive touchscreen for easy operation and fast response.
- ✓ Multitasking operation that can perform OTDR, OPM, and VFL functions simultaneously.
- ✓ Dual-wavelength testing with a 22 / 24 dB dynamic range.
- ✓ Short-distance performance with an EDZ of 1.5 m and an ADZ of 8 m.
- ✓ Auto OTDR / Expert OTDR / Average / Real-Time Test.
- ✓ **Link Image – Icon-based smart map view via acquisition of multiple pulse widths.**
- ✓ Built-in Stabilized Laser Source, Optical Power Meter, Optical Loss Measurement, and VFL.
- ✓ Pass/Fail analysis and ORL examination.
- ✓ 8 GB memory card, supports over 200,000 test records.
- ✓ Generation of trace files (.sor).
- ✓ Computer software for batch data processing.
- ✓ Power charging and data transfer via USB port.
- ✓ Effortless screen capture on any menu.
- ✓ 8 hours of continuous use / 20 hours in standby mode.

PROMAX LAUNCH CABLES: A MUST-HAVE FOR WORKING WITH OTDRS

OPTIONAL



LAUNCH CABLES	AF-016	AF-017	AF-018
FIBRE TYPE	Single mode	Multi mode	Single mode
LENGTH	150 m	150 m	1000 m
CONNECTORS	SC/SC	SC/SC	SC/SC
WAVELENGTH	From 1310 to 1650 nm	From 850 nm to 1300 nm	From 1310 to 1650 nm
ATTENUATION	-0.3 dB/km max.	-0.9 dB/km max.	-0.3 dB/km max.
CONNECTOR LIFESPAN	> 1000 insertions	> 1000 insertions	> 1000 insertions

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)	
PULSE WIDTH Single mode fiber	3 ns ~ 20 μs	
WAVELENGTH	1310 / 1550 nm	
DYNAMIN RANGE	24 / 22 dB	
DEAD ZONE EDZ (event)	1,5 m	
ADZ (attenuation)	8 m	
Distance	500 m, 1, 2, 4, 8, 16, 32, 64, 100 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)	
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	
Detector type	InGaAs	
Connector	Universal	
CONNECIVITY (data interface)	USB Type C	
POWER SUPPLY		
Battery	Li-Ion 3,7 V, 6600 mAh	
Mains adapter	5 VDC, 2 A (included)	
Battery operation time	8 hours of continuous operation, 20 hours of standby	
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	
Weight	0.7 kg (including battery)	