

PROLITE-50



- Lightweight, portable, easy-to-use and economical
- Fast test, and large LCD display
- Backlight function supports testing work at night
- Measure the length and defects of coiled optical fibre
- Large memory capacity (300 test curves)
- RS-232 / USB data upload port & PC Software
- Interchangeable fibre-optic connectors (FC/PC or optional SC, ST)
- Dust, damp and shock proof design for field application
- LCD indicators for battery charging, and LD lasing status
- Built-in NiMH rechargeable batteries for 4 hours continuous operations

The **PROLITE-50** series are optical fault locating and analyzing tools for optical fibre network, and feature hand-held, compact, lightweight, easy-to-use, intelligent and quick test. The Large LCD display and backlight design makes testing work more comfort and convenient no matter during daytime or at night.

As a fault locating and analyzing tool the **PROLITE-50** are easier, smaller and more economical than typical equipments of its class, with higher user value. Besides, **PROLITE-50** can save and transfer the measurement curves data to a PC by the provided software for further analyzing, reporting and printing.

According to the ergonomics, the **PROLITE-50** are designed to fully embody the user's convenience with its large LCD display and graphical interface. The user can activate the measurement operations easily by the push of only one button. The **PROLITE-50** will become the indispensable and ideal tools that all builders, and maintenance personnel of optical fibre networks should have in their tool kit.

SPECIFICATIONS	PROLITE-50
Optical Specifications	
Dynamic Range	24 / 22 dB (1 uS)
Optical Connection	Single Port
Emitter Type	LD
Connector Type	FC / PC (interchangeable SC, ST)
Wavelength	1310 nm ± 20 nm, 1550 ± 20 nm
Fibre type	Single mode / multiple mode
Selectable Pulse Width	30, 100, 275, 1000, 2500 nS
Selectable Ranges	1.3, 2.5, 5, 10, 20, 40, 80, 120 km
Attenuation Deadzone	25 m
Event Deadzone	10 m
Distance Measure Accuracy	± (1 m + 5 x 10 ⁻⁵ x Distance + sampling space)
Reflection Detect Accuracy	± 4 dB
Attenuation Detect Accuracy	± 0.05 dB / dB
Measurement Data Storage	300 test curves
General Specifications	
Power Supply	NiMH rechargeable battery (4 hours operating) / AC adapter, auto recharging
Data transmission	RS-232 / USB port
Mechanical Features	
Dimensions	196 (H) x 100 (W) x 62 (T) mm.
Weight	0.87 kg