PROMAX

PROLITE-50 / PROLITE-51 / PROLITE-52

➤ 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 (up to 1000 test curves according to model)

➤ RS-232 / USB data upload port & PC Software

➤ Interchangeable fibre-optic connectors

➤ Dust, damp and shock proof design for field application

➤ LCD indicators for battery charging, and LD lasing status

➤ Built-in NiMH rechargeable batteries

The **PROLITE-50/51/52** 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-50/51/52** are easier, smaller and more economical than typical equipments of its class, with higher user value. Besides, **PROLITE-50/51/52** 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-50/51/52** 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-50/51/52** 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	PROLITE-51	PROLITE-52
Optical Specifications			
Wavelength (±20 nm)	1310/1550 nm	1310/1550/1625 nm	1625 nm
Dynamic Range	24 dB	38/37/37 dB	37 dB
Event Deadzone	10	1.5	1.5
Attenuation Deadzone	25	10	10
Connector Typ (interchangeable SC, ST, FC)	SC / APC		
Fibre Type Single mode			
Selectable Pulse Width	5 nS / 10 nS / 12 nS / 30 nS / 100 nS / 275 nS / 300 nS 1 µS / 2.5 µS / 10 µS / 20 µS		
Selectable Ranges	0.3 / 1.3 / 2.5 / 5 / 10 / 20 / 40 / 80 / 120 / 160 / 240 km		
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	1000 test curves	1000 test curves
Visual fault locator			
Output power	-	-	≥ -3 dBm
Max distance	-	-	5 km
General Specifications			
Power Supply	NiMH rechargeable battery (8 h. operating, 20 h. stand by) / AC adapter		
Data Transmission	RS-232 / USB port		
Mechanical features			
Dimensions and weight	220 (H.) x 110 (W.) x 70 (T.) mm, 1 kg		

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