PROLITE-57 Low cost optical meter

✓ **PASS/FAIL mode with selectable threshold margins. Work faster. Increase productivity.**

PROLITE-57 is a portable, high quality PON optical power meter. It is specifically designed to meet the rapid growth of FTTx market with PON (Passive Optical Network) technologies. It is capable to measure all three signals (1310nm, 1490nm and 1550nm) that carry voice, data and video, so-called triple-play applications along a single fiber.

PROLITE-57 can measure not only 1490nm and 1550nm optical signal, but also accurately detect and measure the upstream burst at 1310nm sent from an ONU while the ONU is in the idle mode.

The simple operation and accurate measurement make **PROLITE-57** an ideal tool for PON (suitable for APON, BPON, EPON and GPON application) installation and acceptance test to ensure that they meet required standards, and service activation and troubleshooting.

✓ **Cost efficient palm size designed for field and lab testing.**

✓ **Support Pass/Fail measurement and normal measurement. User definable threshold value (up to 10 sets).**

✓ **Easy-to-use interface with large color TFT display for easy visibility and LED indicators.**

✓ **Simply connect-and-display the results of all three wavelengths (1310/1490/1550nm) of PON signals with two optical ports.**

✓ **Detect and measure the upstream burst at 1310nm.**

✓ **Supports APON, BPON, EPON and GPON networks.**

✓ **Pass, Fail and Warning indicators for easy view of signal condition.**

✓ **Unit runs either by Ni-MH battery for more than 20 hours continuously work or AC/DC adapter.**

✓ **USB interface.**

✓ **Real-time clock.**

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SPECIFICATIONS	PROLITE-57 - Low cost optical meter
Calibrated Wavelength	1310 nm, 1490 nm and 1550nm
Measuring Range (continuous datastream)	-40 to +10 dBm (1310 nm), -50 to +15 dBm (1490 nm), -50 to +20 dBm (1550 nm)
Burst signal measuring range (@ 1310nm)	-32 to +10 dBm
Spectral Pass-band	1260 ~ 1360 nm (1310 nm), 1480 ~ 1500 nm (1490 nm), 1539 ~ 1565 (1550 nm)
Connector Type	Interchangeable FC, SC and ST
Detector Type	InGaAs
Insertion loss	1.5 dB
Accuracy	± 0.5 dB
Linearity	± 0.2 dB
Interfaces	2 ports: one for 1310nm (ONU) and one for 1490nm/1550nm (OLT)
Communication port	USB
Data Storage	1000 sets
Display	2.8 inch TFT Color LCD
Back-light	Yes
Refresh Rate of Display	2.5 Hz
Threshold Value	10 sets (configured via PC-based software)
POWER SUPPLY	
Battery life	4 x 1.2 V Ni-MH AA batteries or 12 V AC/DC Adaptor (optional)
Auto Power Off	> 20 hours on typical measurement
	Yes
MECHANICAL FEATURES	
Dimensions	W. 105 x H. 190 x D. 55 mm (with rubber protector)
Weight	700 g