

FTTH OPTICAL POWER METER

The **PROLITE-63** is a high-performance **optical power meter** for optical fibre networks, which features high-speed testing.

Together with a **PROLITE-105** stabilized laser source, can be used to identify optic fibre, measure simultaneously optical attenuation for GPON networks, verify continuity and evaluate fibre link transmission quality.

It also has a logger function that stores up to 100 measurements per function. It has an USB connector to connect to a computer and then you can obtain reports, print it or update firmware.



OPTICAL LOSS TEST SET			
1310 nm HIGH	-2.1 dBm	-1.3 dB	-0.8 dBm THR: 00
1490 nm PASS	-1.9 dBm	-1.1 dB	-0.8 dBm THR: 00
1550 nm PASS	-1.3 dBm	-0.6 dB	-0.7 dBm THR: 07

Attenuation test function

LOGGER: 00 11:58:18 23/11/09			
1310 nm	1490 nm	1550 nm	
+00.0 dBm	+00.0 dBm	+00.0 dBm	
+01.6 dB	-00.2 dB	+01.1 dB	
-35.0/-25.0	-33.0/-23.0	-20.0/00.0	
UP	UP	PASS	

LOGGER function for the ATTENUATION TEST

✓ OPTICAL POWER METER function (OPM)

This function allows you to measure optical power across the infrared wavelength band (1100 nm - 1700 nm). Together with PROMAX stabilized laser sources such as **PROLITE-105**, can be used to identify optic fibre, measure optical attenuation, verify continuity and evaluate fibre link transmission quality.

✓ ATTENUATION TEST function

This function measures signals emitted by a test source (e.g. **PROLITE-105**). It measures the attenuation for GPON networks by identifying modulation of 270 Hz for 1310 nm, 1 kHz for 1490 nm and 2 kHz for 1550 nm. It shows on screen absolute measures, relative measures and measurement with respect to the threshold value.

✓ LOGGER function

LOGGER function takes data and save them on the memory, so they can be viewed or downloaded on a computer. Each function has its own logger memory up to 99 loggers per function.

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SPECIFICATIONS	PROLITE-63
Detector type Calibrated Wavelength Power Measure Range Wavelength Measure Range Accuracy Resolution Memory Storage Internal Optical Fibre Data interface Display Connector Type Range of Use	InGaAs 1310, 1490 nm, 1550 nm and 1625 nm From -60 dBm to +10 dBm 1100 nm - 1700 nm $\pm 0.25 \text{ dB}^1$ 0.1 dB 200 registers 9 / 125 μm USB LCD Universal Single-mode / multi-mode
ALIMENTATION Battery Low Battery Indicator Operating time Battery Charging External Voltage Consumption Mains Adapter	7.4 V Li Ion battery Graphic indicator on screen Approx. 25 h By fast internal charger 12 V DC 13 W From 90 V to 250 V, 50-60 Hz (Included)
OPERATING ENVIRONMENTAL CONDITIONS Altitude Temperature range Max. relative humidity	Up to 2,000 m From 5 °C to 40 °C 80% (up to 31 °C), decreasing lineally up to 50% at 40 °C
MECHANICAL FEATURES Dimensions Weight	W. 180 x H. 95 x D. 50 mm 459 g. (battery and safety case included)

¹ At 1300, 1490, 1550 and 1625 nm and 25 °C for -10 dBm