

OPTICAL LOSS TEST INSTRUMENTS ●

LANLITE™ Dual ST Power Meter PX-B102

FEATURES

- **ULTRA LOW COST**
- **TRUE STANDALONE METER**
- **0.1dB RESOLUTION**
- **EASY CHANGE 9V BATTERY**
- **TEMPERATURE STABILIZED**
- **LOW BATTERY INDICATION**
- **HIGH CONTRAST DISPLAY**
- **RUGGED ALUMINUM DESIGN**



Application and Description

The LANLITE™ series of optical power meters was designed to provide the test technician with an inexpensive, accurate, and easy to use instrument for making power and loss measurements in the LAN environment.

LANLITE™ meters are NIST traceable, calibrated test instruments featuring a dynamic range as broad as 55dB and a resolution of 0.1dB even though priced competitively with low performance go / no-go continuity testers (offered by some as a fiberoptic LAN testing solution).

LANLITE™ meters also have distinct advantages over expensive add-on fiber modules (more widely offered now as low cost solutions to fiberoptic LAN testing). LANLITE™ meters do not require a docking unit or mainframe to provide intelligence. This means not having to fumble with an oversized control box, two sets of batteries, electrical tether cords, and shoulder harnesses in addition to your patch cord all while having to work in a cramped communications closet.

Available in single or dual wavelength models with standard ST ports (also available with SC ports), these meters fit comfortably in most multimode LAN environments. Power is supplied by a single cartridge loaded 9V battery (eliminating troublesome battery snaps) which will yield a typical battery life of over 80 hours. A low battery indicator is included to ensure accurate measurements. The oversized, high contrast display is updated over 5 times per second and features nearly instantaneous settling time! The instruction guide is fully laminated to make it weatherproof and nearly tear-proof. Also, when purchased with a LANLITE™ source as a low cost test set, a waterproof carry case is included which will allow the set to survive being submerged in up to several feet of water.

Regarding durability, the LANLITE™ meters are built of machined aluminum, not plastic, and therefore have structural integrity and a feel superior to that of most fiber test equipment. In fact, LANLITE™ meters may likely be the toughest pocket sized meters on the market. Finally, they are very easy to use. To make a power measurement, simply connect the fiber, flick the power switch to the desired wavelength and read the display.

Specifications

Model	PX-B102	Operating Temperature	-5C to 45C
Wavelength	850/1300nm	Storage Temperature	-10C to 60C
Port	Interchangeable 2.5mm (ST, SC, FC) cap included 1.25mm (LC, MU) cap available	Humidity	10% to 90% non-condensing
Dynamic Range (dBm)	0 to -50	Power	Standard 9V Alkaline
Resolution	0.1dB	Battery Life	80+ Hours
Accuracy (dB)	+/-0.3		
Detector	Ge, Large area 2mm		

Note: Meter accuracy specified at room temperature and calibration point of -30.0dBm for each wavelength. Source power and long-term stability specifications are assuming constant room temperature. Source launch power will vary with fiber core size and with use of mandrel wraps.