OPTICAL LOSS TEST INSTRUMENTS

TECHLITE™ High Performance Power Meter PX-B200

FEATURES

- *QUAD WAVELENGTH W/ RELATIVE MODE*
- *VERY FAST DUAL PROCESSOR DESIGN*
- *LARGE CHARACTER GRAPHIC DISPLAY*
- *ANALOG TYPE TUNING BAR*
- *RUGGED ALUMINUM PACKAGING*
- *UNIVERSAL ADAPTER HEAD*
- *NiCad, ALKALINE, OR AC OPERATION*
- *ONE HOUR QUICK CHARGE FEATURE*
- *WATERPROOF CARRY CASE*

Application and Description

The TECHLITE™ optical power meters are intended to allow technicians to perform precise optical measurements in the field. The meters, when operated in absolute power mode, are used to determine the level of optical power being emitted from a transmitter. In relative mode, the meters are used to perform fiber loss measurements or splice tuning operations.

The TECHLITE™ meters were designed to be rugged. As with all Photonix test instruments, the internal circuitry is housed within an aluminum extrusion with high impact rubber bumpers. This meter can be driven over with an automobile and has even been known to have survived a 24' drop onto concrete. When stored in its protective waterproof carry case (included when purchased with a light source as a test kit), the set can even be submerged several feet underwater. In addition, the instruction guide is fully laminated to make in weather resistant and virtually tear-proof.

The TECHLITE™ meters have many features. The meters are calibrated at 4 wavelengths: 850nM, 1300nM, 1310nM, and 1550nM with some models measuring power levels as high as +20dBm or as low as -60dBm. The meters also feature a true resolution of 0.01dB at ALL power levels thereby allowing the technician to trust measurements below -45dBm. The TECHLITE™ meters, in relative measurement mode, will store the zero reference reading for all four wavelengths independently in non-volatile memory. This allows all zero references to be taken at one time and also allows the unit to be turned off while moving between locations preserve battery life. Also in relative mode, the meters will also display a 1dB analog type deviation pointer and an unaveraged mini-display for real-time splice tuning. The TECHLITE™ meters utilize a graphic LCD screen to create unusually large and easy to read numbers as graphics to indicate power levels. Due to proprietary software and hardware design, the TECHLITE™ meters have a response time up to 5 times faster than other units. At most power levels, the technician can take a reading instantly after the fiber is connected. The TECHLITE™ meters are powered by either four AA alkaline batteries or an AC wall pack with four AA NiCd cells (both the wall pack and NiCd cells are included). In addition to standard charge mode, the units feature an emergency quick charge mode that allows the user to charge the batteries in approximately 1 hour.

Specifications

Model	PX-B200
Detector	Germanium
Wavelength	850nm, 1300nM 1310nM, 1550nM
Range (1300-1550nM)	+3 to -60 dBm
Range (850nM)	+8 to -55 dBm
Resolution	0.01dB
Source Power	+/- .25dB*
Display	dB, dBm
Backlight	No
Auto Power Off (7 min.)	No
Operating Temperature	-5C to 45C
Storage Temperature	-10C to 60C
Humidity	10% to 90% non-condensing
Power	US 120VAC 60Hz (included) NiCd 4 "AA" 600mAh (included) Alkaline 4 "AA"
Battery Life	10 hrs.
Trickle Charge	12-14 hours
Quick Charge	60 minutes

DISTRIBUTED BY: LANshack.com
Toll Free: 888-568-1230
E-mail: sales@lanshack.com

Copyright 2002, Photonix Technologies, Inc.
Cutsheet_PX-B200_CO.CDR
Subject to change w/o notice, photo may vary from product.