OPTICAL LOSS TEST INSTRUMENTS

TECHLITE™ High Performance Dual LASER Source
PX-C205

FEATURES

- ***DUAL WAVELENGTH (1310nm/1550nm)***
- ***TEMPERATURE STABILIZED OUTPUT***
- ***CW AND THREE MODULATION MODES***
- ***RUGGED ALUMINUM PACKAGING***
- ***SC, FC, OR ST STYLE PORTS***
- ***NiMH, ALKALINE, OR AC OPERATION***
- ***QUICK CHARGE FEATURE***

Application and Description

The TECHLITE™ optical sources, when used with a power meter, allow technicians to perform precise optical loss measurements in the field. The sources provide the stable light output required by optical power meters to determine power loss in fiber, connectors, attenuators, or other passive optical components.

Structurally identical to the TECHLITE™ meters, these sources were also designed to be rugged. As with all Photonix test instruments, the internal circuitry is housed in an aluminum extrusion with high impact rubber bumpers. When stored in its protective waterproof carry case (included when purchased with a TECHLITE™ meter 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™ sources are available with output wavelengths of 850nm, 1300nm, 1550nm, and/or 780nm (a visible light version is also available for fault finding applications) with either LED outputs for multimode loss testing or LASER outputs for singlemode loss testing. Modulated output at 30Hz, 500Hz, and 2kHz is standard on TECHLITE™ optical sources thereby allowing them to be used as tracer signal generators for use with most popular fiber identifiers or optical leak detection probes. Also, the two port design on dual versions of these sources will allow both emitters to be energized simultaneously. This feature provides for quicker and easier dual window testing when used with a TECHLITE™ optical power meter or other multi-reference type of meter since both outputs may be allowed to stabilize together before testing.

The TECHLITE™ meters are powered by either four AA alkaline batteries or an AC wall pack with four AA NiMH cells (both the wall pack and NiMH 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-C205
Emitter	LASER
Wavelength (nm)	1310/1550
Pout (min)	-7dBm
Stability (dB/8hr)	+/- .10
Bandwidth (nm)	5

Modulation	30Hz, 500Hz, 2kHz
Operating Temperature	-5C to 45C
Storage Temperature	-10C to 60C
Humidity	10% to 90% non-condensing
Power	US 120VAC 60Hz (included) NiMH 4 "AA" 600mAh (included) Alkaline 4 "AA"
Battery Life	10 hrs.
Trickle Charge	12-14 hours

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