

OPTICAL LOSS TEST INSTRUMENTS ●

TECHLITE™ High Performance Light Sources PX-C2XX Series

FEATURES

- SINGLE / DUAL WAVELENGTH
- TEMPERATURE STABILIZED OUTPUT
- CW AND THREE MODULATION MODES
- OVERFILLING LED DESIGN
- 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 it weather resistant and virtually tear-proof.

The TECHLITE™ sources are available with LED (MM) or LASER (SM) outputs with wavelengths of 850, 1300, 1310, 1550, or 635nm (for fault finding applications). Modulated output at 30Hz, 500Hz, and 2kHz is standard on TECHLITE™ optical sources 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 4 hours.



Typical advisory label. Products on this sheet may be Class 1 or Class 2 LED or laser devices. Consult product specific data sheets for details.

Specifications

Model	PX-C200	PX-C201	PX-C202	PX-C203	PX-C204	PX-C205	PX-C206
Emitter	LED	LED	LED	LASER	LASER	LASER	LASER
Wavelength (nm)	850	1300	850/1300	1310	1550	1310/1550	630-650
Pout (min)	-17dBm	-17dBm	-17dBm	-8dBm	-8dBm	-8dBm	-3dBm
Stability (dB/8hr)	+/- .05	+/- .08	+/- .05/.08	+/- .1	+/- .1	+/- .1	
Bandwidth (nm, typ)	50	170	50/170	5	5	5/5	5
Modulation (Hz)	30, 500, 2K	30, 500, 2K	30, 500, 2K	30, 500, 2K	30, 500, 2K	30, 500, 2K	3, 500, 2K