

### PRODUCT OVERVIEW

The TECHLITE™ PX-D405 test sets allow technicians to perform precise optical measurements in the field. When operated in absolute power mode, the PX-B240 meter is used to determine the level of optical power being emitted from a transmitter. In relative mode, it is used with the included source to perform fiber loss measurements or splice tuning operations.

TECHLITE™ meters and sources 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. In addition, the instruction guide is fully laminated to make it weather-resistant and virtually tear-proof.

The TECHLITE™ meter, 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 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.

The included TECHLITE™ PX-C205 LASER source offers advanced temperature and coupling stability to provide superior test accuracy. The PX-C205 also offers the ability to operate one or both outputs simultaneously in either CW, 30Hz, 500Hz, or 2kHz modulation for use with leak detectors or fiber identifiers. Also, the two port design on dual versions of these sources will allow bothe 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 units 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.



PX-B240



PX-C205

Note: Photos may vary from actual product



**MADE IN USA**

### FEATURES

- Meter: 850nm / 1300nm/1310nm/1550nm
- LASER Source: 1310nm/1500nm
- ST, SC, or FC adapters, others available
- Crush resistant aluminum bodies
- 0.01 dB Meter resolution
- Temperature stabilized output
- Interchangeable meter adapters
- Built in quick charger
- Sealed waterproof carry case
- Two year warranty

## SPECIFICATIONS

### POWER METER PX-B240

Parameter	Value
Detector	Ge
Wavelength	850,1300,1310,1550nm
Power Range(1300-1550nm)	+3 to -60dBm
Power Range(850nm)	+8 to -55dBm
Resolution	0.01dB
Accuracy	+/-0.25dB
Display	dB,dBm
Backlight	Variable
Auto Power Off	Variable
Storage Points	999 per wavelength

### LASER SOURCE PX-C205

Parameter	Value
Emitter	LASER
Wavelength	1310/1550nm
Pout	-7dBm (9/125)
Stability(8hr)	+/- .10dB
Bandwidth (typ)	5nm (1310,1550nm)
Modulation	CW,30Hz,500Hz,2kHz

### ALL PRODUCTS

Parameter	Value
Operating Temp	-5°C to 45°C
Storage Temp	-10°C to 60°C
Humidity	10% to 90% non-cond.
Line Power	110/220VAC, 50-60Hz
Battery Power	US 120VAC 60Hz(inc), NiMH 4-AA(inc), or Alkaline
Battery Life	10 Hours(typ)
Charge Time	12-14 Hours(typ)
Charge Time (fast)	4 Hours