

## PM200

## Fiber Optic Meter

### Features:

- 4 digit, .01 dB Display Readout**
- .18dB Accuracy, .08 dB Linearity**
- 75 dB Measurement Range**
- dB, dBm, & Watts Measurement Modes**
- Protective Rubber Holster**

The PM200 Fiber Optic Meters are rugged, versatile, easy to use, high precision meters that are state of the art in design and low in cost. The PM200 Fiber Optic Meters have been configured for today's, and tomorrow's applications. Calibrated at 850nm, 1300/1310nm, 1490nm, 1550nm, and 1620nm, the PM200 is measurement-ready in all traditional LAN, telecom, and CATV wavelength windows, as well as new 1490nm and 1620nm out-of-band requirements.

The PM200 comes equipped with a universal detector port that accepts FC, ST, SC, E2000, LC, and MU connector types. Standard features include, extended battery life (125 hours), low battery detection, Auto shutoff / power save mode, auto/manual ranging, temperature compensated circuitry, 75dB of measurement range, .18dB accuracy, excellent linearity, and offset nulling capability for low-level measurements. A rubber holster offers protection, while incorporating a stand or instrument hanger. The



PM200 Fiber Optic Meter is the perfect tool, for out in the field, in a manufacturing settings, or performing precision measurements in a Lab.

### SPECIFICATIONS:

#### Optical Characteristics:

Detector Characteristic:	TA = 23° C
Type	Germanium photo-diode
Active Diameter	2mm
Spectral Response	780 nm - 1800nm
NEP (typical)	.4 pW/√Hz
Measurement Range:	+5 dBm to -70 dBm
Resolution	.01 dB, .01nW
Accuracy: (condition: 1310nm, -10dBm)	
+5 dBm to -65 dBm	±.18 dBm
-65 dBm to -70 dBm	±.50 dBm
Linearity:	.08 dB
Calibrated Wavelengths	850nm, 1300/1310nm, 1490nm 1550nm, 1620nm

#### Environmental Characteristics:

Temperature Range:	
Operating	-10° C to +50° C
Storage	-55° C to +65° C
Humidity (non-condensing)	5 - 95% relative humidity

#### Mechanical Specifications: (includes rubber holster)

Size	7" x 3 5/8" x 1.75"
Weight	<1 lb

#### Power Requirements:

Battery	2 - AA alkaline
Battery life (typical)	125 hours (alkaline)

#### Interfaces:

Optical	Universal Detector Port**
** Compatible with ST, FC, SC, DIN, E2000, LC, MU connector styles.	

Please call for other availability of other connector options.

#### Available Options:

Rechargeable Battery/ AC Power Option	Option 01
High Power Measurement Option	" 02
InGaAs Detector	" 03