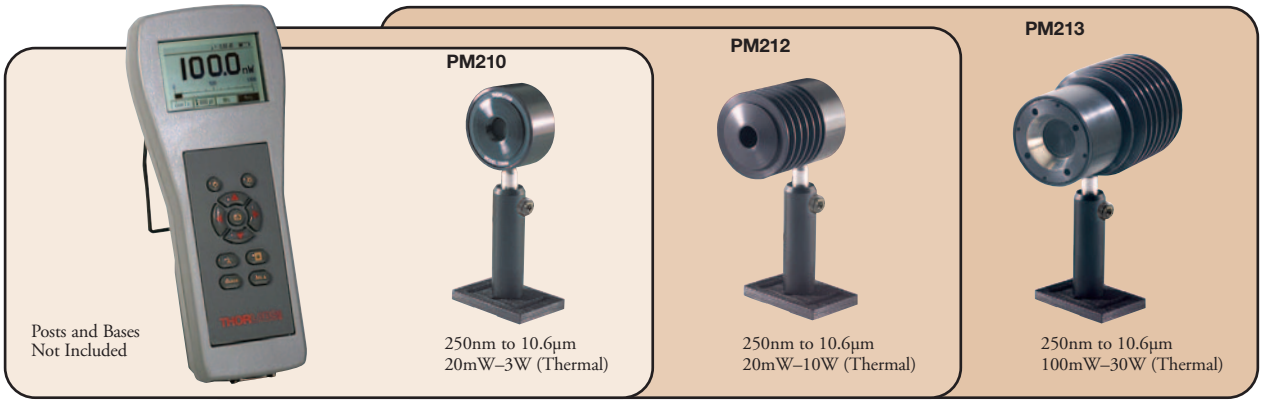
PM200 Series High-Power Optical Power Meter



The PM200 Series Thermal Power Meters are multifunctional, handheld systems for high-power optical power measurements. All 200 series systems utilize thermal sensors which have very flat spectral response. They also all employ the same handheld console, which has a wide 40dB dynamic range and an extensive set of features and display options (see page 951). The systems are all compatible with the full selection of S100 and S200 series sensors (see page 958) thus providing a complete, extendable, and flexible solution for optical measurements in a broad wavelength and power range.

The thermal sensor heads cover the spectral range of 250nm to 10.6µm and a combined power range of 20mW to 30W. Each sensor head is individually calibrated and the data is stored in non-volatile memory inside the connector. The console immediately recognizes the sensor and downloads the appropriate information.

General Console Specifications

- **Display:** 240 x 160 Pixel LCD With Backlight
- **Display Format:** Digit, Analog Needle, Line Plot, Bar Graph, Statistics, and Menu Screens
- **PC Communication:** RS-232, DB9 Male Connector
- **Baud Rate:** 2400-115,200bps
- **Dimensions:** 230 x 95 x 55mm

Data Acquisition

- **Accuracy:** ±1% (console)
- **Resolution:** 16- 24-bit (0.01% Full Scale)
- **Sample Rates:** Digital 3Hz, Analog 6Hz

See page 960 for sensor specifications.

Analog Output

- **Voltage Range:** 0–4.095V
- **Resolution:** 12 bit (1mV)
- **Sample Rate:** 6 Hz
- **Power Range:** Software Adjustable
- **Connector:** SMA

Power Management

- **Battery Pack:** NiMH, 1500mAh, 3.6V
- **Charger:** 2 Hour Battery Charger Included
- **Charger Power Supply:**
  - Input: 85–265VAC, 50–60Hz
  - Output: 9VDC @ 1.1A

NIST TRACEABLE CALIBRATION SERVICES AVAILABLE!
Annual Recalibration is Recommended

High-Power Optical Power Meter

ITEM#	$	£	€	RMB	DESCRIPTION
PM210	$ 1,398.00	£ 880.70	€ 1.300,10	¥ 13,350.90	Digital Power Meter, 250nm to 10.6µm, 3W
PM212	$ 1,472.00	£ 927.40	€ 1.369,00	¥ 14,057.60	Digital Power Meter, 250nm to 10.6µm, 10W
PM213	$ 1,562.00	£ 984.10	€ 1.452,70	¥ 14,917.10	Digital Power Meter, 250nm to 10.6µm, 30W
CAL-S200	$ 170.00	£ 107.10	€ 158,10	¥ 1,623.50	Calibration Service for the S200 Thermal Sensors



See Page 956

Dual-Channel Power and Energy Meters

Thorlabs now offers the PM300, a new dual-channel benchtop power meter, and the PM300E energy meter.