



PM50 Series High Power Analog Optical Power Meter

The PM50 Analog Power Meter Series is designed for fast and high power laser tuning. This power meter is an easy to use, robust and economic tool. The mirrored analog display is large and easy to read, and the user interface is convenient and intuitive. The PM50 series includes an S200 Series thermal sensor head for a wavelength range of 250nm to 10.6µm and a power range of 20mW to 30W. All sensor heads are also available separately allowing the system to grow with your needs (see page 792). The console is backward compatible with all of the S200 Series thermal heads allowing a quick and economical upgrade.



(Bases and Post Assemblies Sold Separately)

- Detectors
- Power Meters**
- CCD Camera
- Spectrometer
- Optical Chopper
- Beam Profiler & Fabry-Perot
- Digital Delay Generator
- Temperature Controller
- Filter Wheel & Shutter

PM50 Series Features

- Large Mirrored Analog Needle Display
- Fast Response
- Automatic Sensor Detection
- Analog Output
- NIST-Traceable Calibration
- Rechargeable Battery
- Rugged Enclosure
- Pivoting Stand
- 250nm to 10.6µm

Available as Complete Set with Sensor Head

- PM50-3** PM50 Console and S210A Thermal Sensor, 250nm to 10.6µm, 20mW-3W
- PM50-10** PM50 Console and S212A Thermal Sensor, 250nm to 10.6µm, 20mW-10W
- PM50-30** PM50 Console and S213A Thermal Sensor, 250nm to 10.6µm, 100mW-30W

Power Meter Console Specifications:

- **Detector Compatibility:** S200 Series Thermal Sensors (see page 792)
- **Power Scales:** 9 Scales: 0.01W, 0.03W, 0.1W, 0.3W, 1W, 3W, 10W, 30W, 100W
- **Analog Display:** 42mm (3.54" x 1.65") Mirrored Scales: 0 to 3 (30 Divisions), 0 to 10 (50 Divisions)
- **Power Units:** Watts
- **Accuracy:** ± 3%
- **Front Panel Operating Elements:** Range Selector (Rotary Switch), Zero Adjuster, On Button, Lo Bat Indicator

Data Acquisition:

- **Sample Rate:** 12Hz
- **Response Time:** 1s
- **Connector:** DB9 Sensor Female Connector

Analog Output:

- **Voltage Range:** 0 - 1V Full Scale

- **Sample Rate:** 12Hz
- **Connector:** SMA Analog Out

Power Management:

- **Battery Operation:** 6V, 150mAh internal chargeable NiMH Battery
- **Operating Time:** 100+ hours
- **Shutdown:** Manual / Auto, 6min
- **Charger:** 3 hours Battery Charger Included
- **Charger Power Supply:** In: 85 - 265VAC, 50 - 60Hz; Out: 12VDC @ 1.1A

General Specifications:

- **Dimensions (H x W x D):** 125 x 145 x 46 mm (with Stand)
- **Weight:** 0.6kg
- **Operating Temperature:** 5°C - 40°C
- **Storage Temperature:** -20°C - 70°C

See page 792 for sensor specifications.

ITEM#	\$	£	€	¥	DESCRIPTION
PM50-3	\$ 1,143.00	£ 800.00	€ 1,200.00	¥ 192,000	PM50 Analog w/S210A Thermal Sensor, 250nm - 10.6µm, 3W
PM50-10	\$ 1,214.00	£ 849.00	€ 1,274.00	¥ 203,900	PM50 Analog w/S212A Thermal Sensor, 250nm - 10.6µm, 10W
PM50-30	\$ 1,307.00	£ 914.00	€ 1,372.00	¥ 219,520	PM50 Analog w/S213A Thermal Sensor, 250nm - 10.6µm, 30W