Laser Lab Instruments

Detectors

Power Meters

CCD Cameras

Optical Chopper

Beam Profliers & Extensions Sets

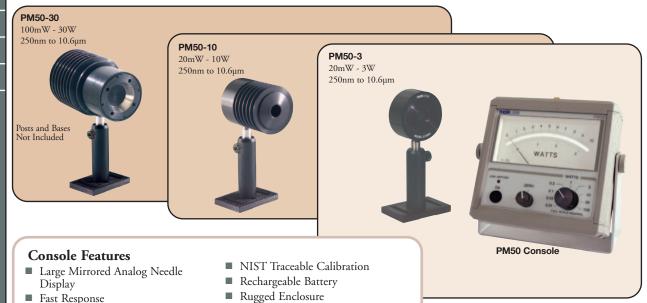
Spectrometers

Temperature Controller & Shutter

Filter Wheels

PM50 Series High-Power Analog Optical Power Meters

The PM50 Analog Power Meter Series provides an ideal solution for making power measurements within a densely populated fully assembled optical system. The power meter is compact, robust, and has a large, easy-to-read mirrored analog display with a convenient, intuitive user interface. The PM50 series power meters utilize one of three models of thermal sensor heads, each with a wavelength range of 250nm to 10.6µm. There are three power ranges to choose from as detailed below. All sensor heads are available separately, allowing the system to adopt as your needs change (see page 960). The console is backward compatible with all of the the \$200 series thermal heads.



■ Pivoting Stand

■ 250nm to 10.6µm

General Console Specifications

■ Automatic Sensor Detection

Analog Output

- **Detector Compatibility:** S200 Series Thermal Sensors
- Nine Power Ranges: 0.01W, 0.03W, 0.1W, 0.3W, 1W, 3W, 10W, 30W, 100W
- **Analog Display:** 90 x 42mm (3.54" x 1.65") Mirrored Scales: 0-3 (30 Divisions), 0-10 (50 Divisions)
- Power Units: Watts
- Accuracy: ±3%
- Front Panel Operating Elements: Range Selector (Rotary Switch), Zero Adjuster, On Button, Low-Battery Indicator

Data Acquisition

- Sample Rate: 12Hz
- 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 to 40°C
- Storage Temperature: -20°Cto 70°C

See page 960 for sensor specifications.

ITEM#	\$		£		€		RMB		DESCRIPTION
PM50-3	\$	1,143.00	£	720.10	€	1.063,00	¥	10,915.70	Analog Power Meter, 250nm-10.6μm, 20mW-3W
PM50-10	\$	1,214.00	£	764.80	€	1.129,00	¥	11,593.70	Analog Power Meter, 250nm-10.6μm, 20mW-10W
PM50-30	\$	1,307.00	£	823.40	€	1.215,50	¥	12,481.90	Analog Power Meter, 250nm-10.6μm, 100mW-30W