

PM10 Series Field Service Optical Power Meters

The PM10 Series Optical Power Meter module is an economical and easy-to-use plug-in for any Digital Voltmeter (DVM) with standard banana-style connectors. The device is designed for fast response times and is powered by a standard 6V battery.

The plug-in is compatible with our S200 Series Thermal Sensor Heads and covers the wavelength range of 250nm to 10.6µm and a power range of 20mW to 10W. It is offered as a complete set (less the DVM), which includes one thermal sensor head converter module. Additional sensor heads are also available separately, see page 960.



PM10-3
Power Meter Module
for Digital Voltmeter
(DVM Not Included)

Plug-In Features

- Small Outline
- Easy to Use
- NIST Traceable Calibration

Specifications

- **PM10-3:** 20mW–3W
PM10-10: 20mW–10W
- **Dimensions:** 57 x 42 x 46.5 mm
(Banana Connectors Included)
- **Weight:** 0.5kg
- **Operating Temperature:**
5°C–40°C

- **Storage Temperature:** -20°C to 70°C
- **Gain Stages:** x100, x1000
- **Power Resolution:** 0.1% Full Scale
- **Meter Response Time:** <1s
- **Analog Output:** 0–2.2V
- **Accuracy:** ±1% Full Scale
- **Battery Operation:** 6V Lithium
(V28PXL)
- **Low Battery Indicator:** LED on
Front Panel
- **Battery Lifetime:** 150hrs

Compatible With Any
Digital Multimeter With
Banana Style Sockets on
19mm (0.75") Centers

ITEM#	\$	£	€	RMB	DESCRIPTION
PM10-3	\$ 848.00	£ 534.20	€ 788,60	¥ 8,098.40	Power Meter Module and 3W Thermal Sensor
PM10-10	\$ 922.00	£ 580.90	€ 857,50	¥ 8,805.10	Power Meter Module and 10W Thermal Sensor
V28PXL	\$ 12.00	£ 7.60	€ 11,20	¥ 114.60	Replacement Battery

PM20 Series Fiber Power Meters

The PM20 Series Optical Fiber Power Meter is a robust, full-featured handheld instrument covering the full range of optical fiber applications in the wavelength range of 400 to 1700nm and the power range of -60dBm to 20dBm. A rugged enclosure and kickstand make this model ideal for field or lab applications. Efficient, low-power circuitry provides long battery operation ideal for field service personnel. The alphanumeric 8-digit LCD display allows easy power read-outs. The operation of the device is intuitive and supported by a clearly labeled key pad. All common features like wavelength setting, relative measurements, power read-out in dBm or W, and auto-shutdown are included. The PM20 is powered by a built-in rechargeable NiMH battery or by the included AC adapter that also recharges the battery.

The unit comes with an FC fiber adapter. Most industry standard fiber adapters, including SMA, SC, and ST, can be ordered separately and easily installed.

Features

- Interchangeable Fiber Connector
- Auto-Shutoff
- Absolute and Relative Measurements
- NIST Traceable Wavelength Calibration
in 5nm Steps

Specifications

- **Display:** LCD 8-Digits
- **Wavelength Range:**
400-1100nm (PM20A)
800-1700nm (PM20C/CH)

- **Power Ranges:** -60dBm to 23dBm
- **Power Display:** dB, dBm, nW, µW, mW
- **Power Resolution:** 14bit
- **Power Accuracy:** ±5%
- **Connector:** FC*
- **Dimensions:** 125 x 80 x 39mm
- **Power Supply:** 6V Chargeable Battery;
Included Charger Allows AC Operation
- **Detector Type:**
Si (PM20A)
InGaAs (PM20C/CH)

*Unit comes with FC adapter. ST, SMA, and SC fiber adapters can be ordered separately. See price box.



PM20
Fiber
Power Meter



PM20-ST
Fiber Adapter

PM20
Fiber Power
Meter with
ST Adapter

ITEM#	\$	£	€	RMB	DESCRIPTION
PM20A	\$ 450.00	£ 283.50	€ 418,50	¥ 4,297.50	Digital Fiber Power Meter, 400-1100nm, -60dBm to +16dBm
PM20C	\$ 550.00	£ 346.50	€ 511,50	¥ 5,252.50	Digital Fiber Power Meter, 800-1700nm, -60dBm to +13dBm
PM20CH	\$ 595.00	£ 374.90	€ 553,40	¥ 5,682.30	Digital Fiber Power Meter, 800-1700nm, -50dBm to +23dBm
PM20-SMA	\$ 26.00	£ 16.40	€ 24,20	¥ 248.30	SMA Fiber Adapter for PM20 Fiber Power Meter
PM20-SC	\$ 33.00	£ 20.80	€ 30,70	¥ 315.20	SC Fiber Adapter for PM20 Fiber Power Meter
PM20-FC	\$ 26.00	£ 16.40	€ 24,20	¥ 248.30	FC Fiber Adapter for PM20 Fiber Power Meter (Included with PM20)
PM20-ST	\$ 30.00	£ 18.90	€ 27,90	¥ 286.50	ST Fiber Adapter for PM20 Fiber Power Meter