



Features

- Includes Everything Needed for Optical Power Measurements
- C-Series Meter Consoles Compatible with Other C-Series Sensors
- Large, Easy-to-Read Digital or Analog Display
- USB 2.0 Connectivity and Graphical User Interface
- Rechargeable Battery for 8 hr Remote Operation, AC Adapter Included
- SMA Output (0 to 2 V) on Meters for Monitoring Signal

Our power meter kits are based on our handheld PM100 and PM200 Series power and energy meters and C-Series sensors. In addition to these kits, we also offer the power meters and sensors separately.

The PM120VA includes our PM100A power meter, which is a digital meter featuring an analog needle display with a supplemental LCD. The analog display is ideal when making relative power measurements. While the PM120VA includes an S120VC sensor, it is also compatible with all C-Series photodiode sensors and thermal sensors but not with the pyroelectric energy sensors.

All other kits include a PM100D digital power and energy meter or a PM200 touch screen power and energy meter. The PM100D meter offers a menu driven control panel, 4" backlit display, SD card slot for storing data, and compatibility with all of our C-Series sensors for power or energy measurements.

The PM200 meter offers a brilliant 5.7" touch screen and many enhanced features like an optional fiber inspection camera (available soon).

All the meters have USB 2.0 connectivity, a rechargeable battery for field work, and utilize our quick-connect C-Series sensors. Please see the *Specs* and *Display* tabs for for more information, or see the [PM100A](#), [PM100D](#), and [PM200](#) full product presentations to learn about all of their features.

Kits Based on the PM100A and PM100D Meter

Item #	Power Range	Wavelength Range	Sensor Type	Meter Type
PM120VA	50 nW - 50 mW	200 - 1100 nm	Si (S120VC)	Analog/Digital Meter (PM100A)
PM120D	50 nW - 50 mW	400 - 1100 nm	Si (S120C)	Digital Meter (PM100D)
PM121D	500 nW - 500 mW	400 - 1100 nm	Si (S121C)	Digital Meter (PM100D)
PM130D	500 pW - 500 mW*	400 - 1100 nm	Slim Si (S130C)	Digital Meter (PM100D)
PM122D	50 nW - 40 mW	700 - 1800 nm	Ge (S122C)	Digital Meter (PM100D)
PM310D	10 mW - 10 W	0.19 - 25 μ m	Thermal (S310C)	Digital Meter (PM100D)

Kits Based on the PM200 Touch Screen Meter

Item #	Power Range	Wavelength Range	Sensor Type	Meter Type
PM204	50 nW - 50 mW	200 - 1100 nm	Si S120VC	Touch Screen Meter PM200
PM201	50 nW - 50 mW	400 - 1100 nm	Si S120C	Touch Screen Meter PM200
PM202	500 nW - 500 mW	400 - 1100 nm	Si S121C	Touch Screen Meter PM200
PM203	500 pW - 500 mW*	400 - 1100 nm	Slim Si S130C	Touch Screen Meter PM200
PM205	50 nW - 40 mW	700 - 1800 nm	Si S122C	Touch Screen Meter PM200
PM206	10 mW - 10 W	0.19 - 25 μ m	Thermal S310C	Touch Screen Meter PM200

*The PM203 features a sliding neutral density filter. Without the filter, the power measurement range is 500 pW to 5 mW, while with the filter, the range is 5 mW to 500 mW. The position of the ND filter is automatically detected by the power meter.

50 nW – 50 mW Touch Screen Power Meter, 200 – 1100 nm



PM204
(PM200 with S120VC
Photodiode Sensor Head)

Post, Post Holder,
and Base Plate
Included

Features

- 50 nW – 50 mW Power Detection
- 200 – 1100 nm Wavelength Detection
- Si Optical Power Sensor
- Touch Screen Power and Energy Meter Console
- Integrated UV/IR Viewing Target for Easy Sensor Alignment
- Over Temperature Alert Sensor
- NIST-Traceable Data Stored in Sensor Connector

The PM204 Power Meter is ideal for laboratories with UV light sources. The PM204 (as seen in the image) includes a PM200 Touch Screen Console (page 1548) with a brilliant 5.7" color,

wide-viewing-angle screen and a S120VC Photodiode Sensor Head (page 1560). All of the power and energy sensors from page 1560 to page 1567 are compatible with the console.

50 nW – 40 mW Touch Screen Power Meter, 700 – 1800 nm



PM205
(PM200 Shown with Portrait Display and
S122C Photodiode Sensor Head)

Post, Post Holder,
and Base Plate
Included

Features

- 50 nW – 40 mW Power Detection
- 700 – 1800 nm Wavelength Detection
- Ge Optical Power Sensor
- Touch Screen Power and Energy Meter Console
- Integrated IR Viewing Target for Easy Sensor Alignment
- Over Temperature Alert Sensor
- NIST-Traceable Data Stored in Sensor Connector

The PM205 Power Meter features a Ge sensor that can be used in the NIR (700 to 1800 nm) spectral range. The PM205 (as seen in the image) includes a PM200 Touch Screen Console (page 1548) with a brilliant 5.7" color, wide-viewing-angle screen

and a S122C Photodiode Sensor Head (page 1560). All of the power and energy sensors from page 1560 to page 1567 are compatible with the console.

10 mW to 10 W Touch Screen Power Meter, 0.19 – 25 μ m



PM206
(PM200 with
S310C Thermal Sensor Head)

Post, Post Holder,
and Base Plate
Included

Features

- 10 mW – 10 W Power Detection
- 0.19 – 25 μ m Wavelength Detection
- Thermal Optical Power Sensor
- Touch Screen Power and Energy Meter Console
- 30 mm Cage System and SM1 Lens Tube Compatible
- Over Temperature Alert Sensor
- NIST-Traceable Data Stored in Sensor Connector

The PM206 Power Meter offers a broad power (10 mW to 10 W) and spectral (0.19 to 25 μ m) measurement range that is ideal for most laboratories with lasers. The PM206 (as seen in the image) includes a PM200 Touch Screen Console (page 1548)

with a brilliant 5.7" color, wide viewing angle screen and a S310C Thermal Sensor Head (page 1564). All of the power and energy sensors from page 1560 to page 1567 are compatible with the console.