

# Model 1916-C Hand-Held Optical Power Meter



- Large LCD display
- Power Measurements, 5 pW - 1 kW
- Compatible with Newport's 918D, 918L and 818P Detectors
- Uses Standard AA Batteries

Newport's New Model 1916-C Handheld Power Meter provides an economical means for making both low and high power measurements. The handheld style makes it great for field service, and it is intuitive enough to master in minutes.

The 1916-C meter is equipped with a DB15 input connector for direct compatibility with Newport's 818P Series High Power (Thermopile) or new 918D and 918L Series Low Power (Photodiode) Detectors. For interfacing with 818 Series Low Power Detectors, the 841-DIN adapter can be used (ordered separately). See below for ordering information.

## 1916-C Specifications

### 1916-C General Power Meter Specifications

Compatible Newport Detectors	918D, 918L, 818P, and 818 (w/adaptor)
Resolution (% of Full Scale)	0.01
Accuracy (%)	±1
Display Type	58 x 78 mm, LCD without backlight
Display Formats	32mm Numeric
Battery Type and Life (Typical)	4 x AA Alkaline, 650 Hours
Power Requirements (Optional AC Adapter)	100-240 VAC 50/60, 9V
Operating Temperature	10°C to 40°C, <80% RH
Storage Temperature Range	-20°C to 60°C, <90% RH
Weight [lb (kg)]	0.47 (1.0)
Dimensions (W x H x D) [in. (mm)]	8.3 (210) x 4.8 (122) x 1.7 (44)

### Calibrated Measurements with 918D and 918L Series Photodiode Detectors <sup>(1)</sup>

Minimum Detectable Power (pW)	5.3
Maximum Input Power (W)	2
Wavelength Range (nm)	190-1800

### Calibrated Measurements with 818P Series Thermopile Detectors <sup>(1)</sup>

Minimum Detectable Power (mW)	1
Maximum Input Power (W)	400
Wavelength Range	200 nm -10 μm

1) Instrument range is determined by detector used, please refer to our complete offering on detector types for complete specifications of individual detectors: Photodiode (see page 1088) and Thermopile (see page 1101) detectors.

## Ordering Information

Model	Description
1916-C	1916-C Handheld Power Meter
841-DIN	Mini-DIN to DB15 Detector Adaptor for 818/CAL Series Detectors

Call Newport's Applications Engineers to help you select the optical detector that best meets your application requirements.