

DESCRIPTION

Accurate power readings are a key element to maintaining a calibrated and repeatable curing process suitable for high-quality production. The iCure P200 Power Meter is an accurate tool for measuring optical power from your thermal spot curing system. Developed to work with the iCure AS200 Thermal Spot Curing system, the portable iCure P200 Power Meter is composed of a power monitor and a power detector. It offers unmatched performance to calibrate and set optical power levels on the iCure.

KEY FEATURES

- Calibrate multiple systems using a preset power set point on the iCure.
- Proprietary detector system for accurate wideband measurements
- Compact and portable design
- Measures maximum power of 15W
- Plug and Play with the iCure AS200

iCure™ P200 Power Meter



BENEFITS

- Ensures Repeatability of the Assembly Process
- Ideal in Large Scale Manufacturing Environments
- Modular Concept
- Plug & Play

POWER MONITOR SPECIFICATIONS

Detector Type	Thermopile	
Display	iCure Screen or commercial PC	
Power Range	Thermopile	1 mW to 30 W
Serial Commands & Data Transfer Via	USB (standard)	
Transfer Rate	10 Hz	
Dimensions	57mm x 26mm x 91mm 2.24in x 1.02in x 3.58in	
Weight	0.12kg	



POWER DETECTOR SPECIFICATIONS

Spectral Range	0.19 – 10 μ m	
Noise Equivalent Power	1 mW	
Rise Time (nominal)	1.4 sec	
Sensitivity (typical into 100k Ω load)	0.65 mV/W	
Calibration Uncertainty	\pm 2.5%	
Repeatability	\pm 0.5%	
Effective Aperture diameter	17 mm \varnothing	
Max Average Power	Continuous	15 W
	1 minute	30 W



- ✓ The iCure P200 power meter must be calibrated every 12 months.

Contact IRphotonics for prices and availability or to obtain the name of your local representative.

IRphotonics has made every effort to ensure that the information contained in this specification sheet is accurate. IRphotonics accepts no responsibility for errors or omissions, and reserves the right to modify design, characteristics and products at any time without obligation.