



LI-200R-BL-2 • LI-200R-BL-5 • LI-200R-BL-15 • LI-200R-BL-50

LI-COR LI-200R Pyranometer, Bare Leads

Measures global solar radiation in watts per square meter ($W\ m^{-2}$) for various research applications.

Important Information

This sensor requires a 2420-BL Amplifier and HOBOnet Analog Mote (with HOBOnet Manager) or 4-Channel Analog Module for connection to the HOBOnet RX remote monitoring station. We highly recommend deployment with an optional LI-COR 2003S Mounting and Leveling Fixture.

Supported Measurements

Solar Radiation

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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LI-COR LI-200R Pyranometer, Bare Leads (LI-200R-BL-x) Specifications

Absolute Calibration	Calibrated against an Eppley Precision Spectral Pyranometer (PSP) under natural daylight conditions. Calibration uncertainty under these conditions is estimated as $\pm 3\%$ typical, within $\pm 60^\circ$ angle of incidence.*
Sensitivity	Typically 75 μA per 1,000 W m^{-2}
Linearity	Maximum deviation of 1% up to 3,000 W m^{-2}
Response Time	Less than 1 μs (2 m cable terminated into a 147 Ohm load)
Temperature Dependence	$\pm 0.15\%$ per $^\circ\text{C}$ maximum
Cosine Correction	Cosine corrected up to 82° angle of incidence
Azimuth	$< \pm 1\%$ error over 360° at a 45° elevation
Tilt	No error induced from orientation
Operating Temperature Range	-40°C to 65°C
Relative Humidity Range	0% to 100% RH, Non-Condensing
Detector	High stability silicon photovoltaic detector (blue enhanced)
Sensor Housing	Weatherproof anodized aluminum body with acrylic diffuser and stainless steel hardware; O-ring seal on the sensor base
Size	2.36 cm diameter \times 3.63 cm (0.93" diameter \times 1.43")
Weight	24 g head; 60 g base/cable (2 m) with screws
Cable Length	2 m, 5 m, 15 m, 50 m (6.5', 16.4', 49.2', 164')