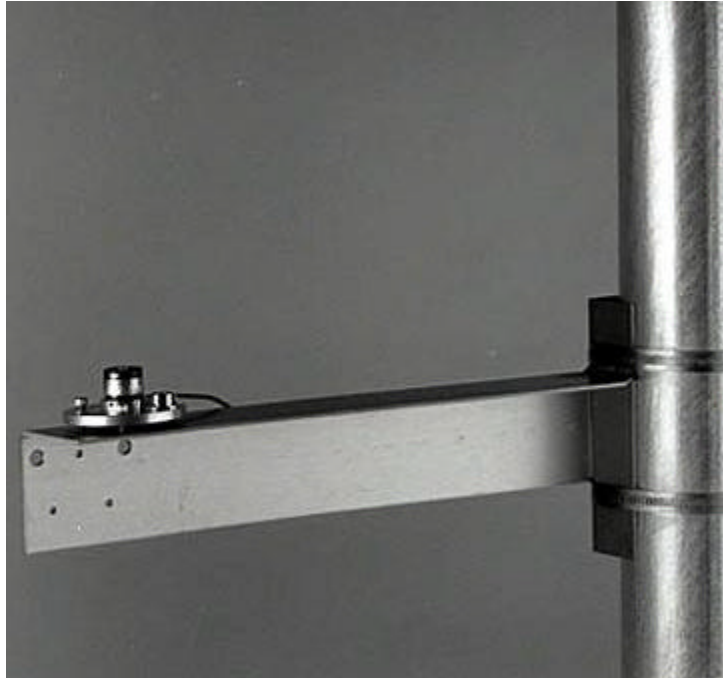


SPECIFICATIONS

Li-Cor #LI-200SA Pyranometer

FEATURES

- Measures total solar radiation
- Cosine-corrected for accurate measurement even at low sun angles



The Li-Cor Pyranometer is an excellent general purpose solar radiation sensor that is calibrated for the daylight spectrum.

The LI-200SA measures direct and reflected solar radiation and provides a small current signal compatible with all NRG 9200, 9300, and Symphonie loggers.

Includes calibration certificate, leveling base and 3 m (10 feet) of cable.

SPECIFICATIONS

Description	Sensor type	total solar radiation sensor - cosine corrected
	Applications	<ul style="list-style-type: none">• solar resource assessment• meteorological studies• environmental monitoring
	Sensor range	0 W/m ² to 3000 W/m ²
	Instrument compatibility	<ul style="list-style-type: none">• NRG Wind Explorer• NRG 9200-PLUS• NRG Symphonie w/ Solar SCM• any NRG 9300SA, NRG 9300CL , NRG 9300TL equipped with a VTS SIM card
Output signal	Signal type	microamp current proportional to total solar radiation
	Transfer function	<ul style="list-style-type: none">• included on calibration certificate• typical is 90 μA per 1000 Watts/m²
	Accuracy	maximum deviation of 1% for sensor range
	Recommended load resistance	147 ohms (for voltage output), Load resistance is not required for connection to NRG Symphonie or NRG 9300SA, 9300CL, or 9300TL loggers

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SPECIFICATIONS

	Calibration	<ul style="list-style-type: none"> • calibration sheet included with each sensor defines output in microamps per 1000 Watts/square meter • calibrated against Eppley Precision Spectral Pyranometer under natural daylight conditions.
	Output signal range	0 μ A to 270 μ A (typical)
	Drift	+/- 2% change over a 1 year period
Response characteristics	Threshold	0.1 W/m ²
Installation	Mounting	mounts to tower with custom NRG side mounting boom and hose clamps
	Tools required	<ul style="list-style-type: none"> • sheet metal shears or similar for hose clamps • 5/16 inch hex driver or flat blade screwdriver • 0.05 inch hex key (included); metric #4 allen wrench for level adjustment
Environmental	Operating temperature range	-40 °C to 65 °C (-40 °F to 149 °F)
	Operating humidity range	0 to 100%
Physical	Connections	2 bare wire leads from coaxial cable
	Cable length	3 m (10 feet)
	Weight	28 g (1.0 ounces)
	Dimensions	<ul style="list-style-type: none"> • 23.8 mm (0.94 inches) diameter • 25.4 mm (1 inch) length
Materials	Cable	shielded coaxial
	Detector	high-stability silicon photovoltaic
	Enclosure	weatherproof anodized aluminum case with acrylic diffuser and stainless steel hardware

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