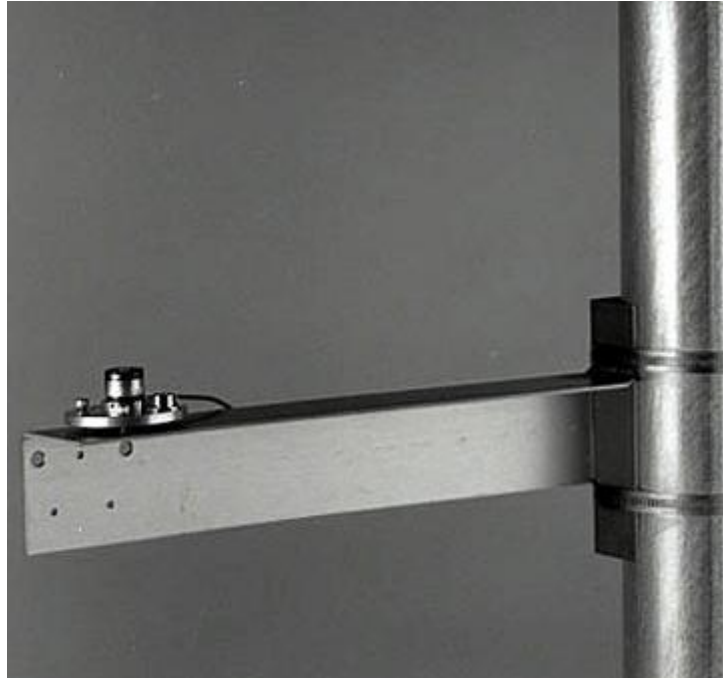


SPECIFICATIONS

Li-Cor #LI-200SZ 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-200SZ measures direct and reflected solar radiation and provides a small current signal compatible with all NRG 9200, 9300, and Symphonie, and Symphonie *PLUS* 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 • NRG Symphonie <i>PLUS</i> 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



Global leaders in wind assessment technology

110 Riggs Road • Hinesburg • VT 05461 USA • TEL (802) 482-2255 • FAX (802) 482-2272 • EMAIL sales@nrghsystems.com

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

Global leaders in wind assessment technology



110 Riggs Road • Hinesburg • VT 05461 USA • TEL (802) 482-2255 • FAX (802) 482-2272 • EMAIL sales@nrgsystems.com