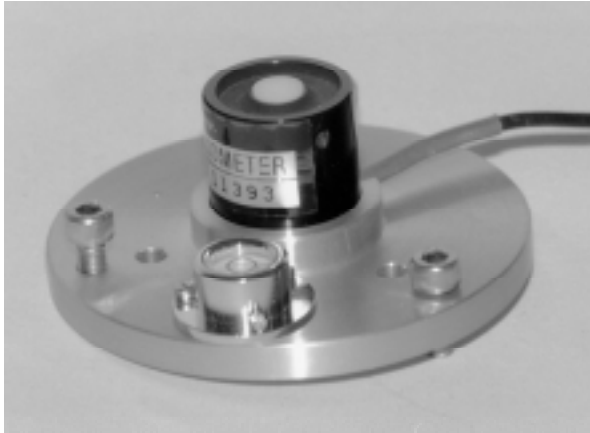
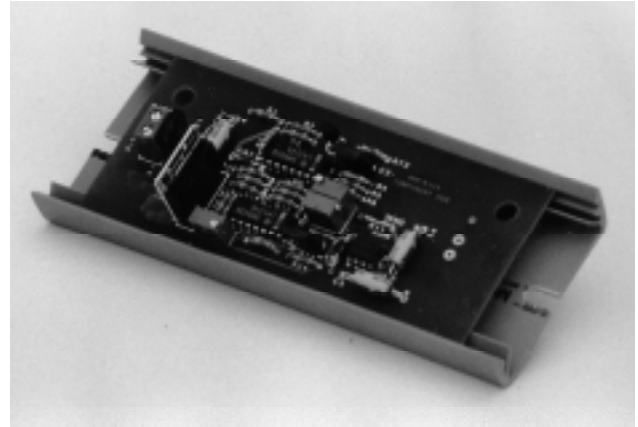


Model A70-I Pyranometer with Transmitter

Document 1830, Version B



S60 Silicon Pyranometer



Track Mounted Transmitter

The LI200SB Silicon Pyranometer measures both direct and diffuse insolation. The pyranometer output responds to the cosine of the angle between the sensor and the light source. The signal from the sensor is scaled by the signal conditioner to provide the desired output. The system should only be used to monitor natural sunlight. Contact the factory regarding other light sources.

The A70 Series provides an analog signal output proportional to the phenomenon being monitored at an economical cost. All components have proven themselves rugged and reliable throughout many years of field operation.

These units are used in conjunction with electronic data collection systems or for input to control systems. They are readily combined with meter relays to provide custom controls.

All systems are available with outputs of 0-1 mA, 0-1 V or 4-20 mA. All systems may be powered from either 120 VAC, 230 VAC or 12 - 24 VDC. The instruments are available in a variety of packages including steel JIC boxes meeting NEMA 12 standards, weatherproof fiberglass enclosures meeting NEMA 4X, IP66 and IEC 529 standards and track mounted versions. NEMA 12 enclosures provide protection from dust for indoor applications. NEMA 4X enclosures may be used indoors or outdoors. They provide protection from corrosion, wind blown dust and rain and are undamaged by ice. Track mounted versions are intended for mounting inside an enclosure provided by the user. Where required, electrical connection to the sensor is via terminal block. A barrier strip is provided for connection to operating power.

ISO 9001 Registered

Comptus Inc®

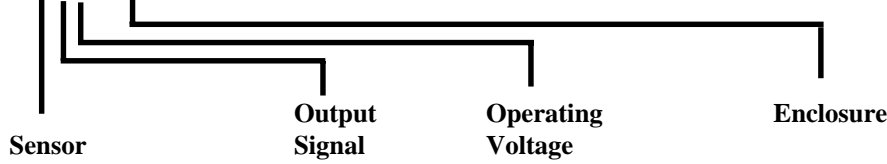
342 Lyndeboro Rd., New Boston, NH USA

Phone: 603 487-5512 Fax: 603 487-5513 E-mail: sales@comptus.com

Model A70-I

Model Designation

A70-WXY - Z



	Sensor	Output Signal	Operating Voltage	Enclosure
S	Wind Speed	V 0-1 V	0 Loop Powered	T Track
D	Wind Direction	I 0-1 mA	1 12 - 24 VDC	N12 NEMA 12
I	Solar Radiation	L 4-20 mA	6 120 VAC, 50/60 Hz	N4XFG NEMA 4X Fiberglass
P	Barometric Pressure		7 230 VAC, 50/60 Hz	N4XSS NEMA 4X SS
T	Temperature			
R	Rainfall			

Operating power for models with 4-20 mA outputs can be provided by the current loop or externally. Loop power must be a regulated DC source in the range of 12 - 24 VDC. Models with 4-20 mA outputs will be loop powered if no operating power specifier (X) is present or specified as "0".

Example model number: A70- I L 6 - N12 /M

I	Insolation
L	4-20 mA Output Signal
6	120 VAC Operating Power
N12	NEMA 12 Enclosure
M	0 - 1500 W/M ² Range

Specifications

Range:	/M - 0 - 1500 W/M ²
Sensor:	LI-200SZ
Accuracy:	± 3% Typical, ± 5% Worst Case
Size:	Track Mount 1.75" W X 5.0"L X 1" H NEMA 12 6"W X 8"H X 4" D NEMA 4X 6"W X 8"H X 4" D
Weight:	Track Mount 1 lbs NEMA 12 6 lbs NEMA 4XFG 4 lbs NEMA 4XSS 6 lbs
Operating Temperature:	Electronics 0/60°C Sensor -40 / 60° C
Connectors:	Barrier strips to accept AWG #12 or smaller wire
Options:	Expanded Ranges High Performance Sensors Pulse Rate Outputs
Accessories:	A96 Lightning protectors A76-I Mount A70-LPDD Digital Display Data Chart - Electronic Chart Recorder S62 Integrator

ISO 9001 Registered

Comptus Inc®

342 Lyndeboro Rd., New Boston, NH USA

Phone: 603 487-5512 Fax: 603 487-5513 E-mail: sales@comptus.com