



A70H-IL1

Pyranometer

The A70H-IL1 Pyranometer utilizes a thermoelectric sensor. The sensing elements are made with winding - plated thermopiles with multi contacts. It is designed for measuring radiation in the 300-3200nm range.



Item	Technical Specifications
Spectral Range	300-3200nm
Supply	12-24VDC
Range	0-2000W/m ²
Output Signal	4-20mA, 0-5V, 0-20mV, RS485
Sensitivity	7-14 μ V*W ⁻¹ *m ²
Internal resistance	350 Ω
Non-Linearity	$\leq \pm 2\%$
Measuring angle	2π solid angle
Response Time	$\leq 35s(99\%)$
Stability	$\pm 2\%/year$
Cosine Correction	$\leq +7\%$ (Solar elevation angle = 10°)
Temperature Effect	$\pm 2\%^\circ C (-10^\circ C - +40^\circ C)$
Operating Temperature	-40-+80 $^\circ C$
Weight (unpacked)	2.5kg
Pack	Aluminum alloy instrument box
Dimension	$\phi 165 * 120mm$
Ingress Protection	IP65/NEMA4
Storage Condition	10-60 $^\circ C @ 20\% - 90\%RH$