

New!!

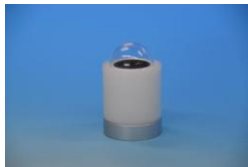
Pyranometer Solar Mini

P C M - 0 1 N

PREDE



PCM-01N
PCM-01NA



PCM-01NL
PCM-01NLA

Summary

PCM-01 was rebone.
Pyranometer PCM-01N type of low-cost to measure the global solar radiation that arrives at the earth's surface from the sun. Global solar radiation of pyranometer receives is converted to voltage or current signal proportional to the intensity will be output. Sensing part is using the black painted Thermopile. It is the wavelength range that is wider than the pyranometer using the silicon photodiode. The hemispheric glass dome protects an internal sensor and guard deterioration of the sensitivity.

Specification

Classification	: Thermopile-type simple pyranometer
Wavelength range	: 300nm~2800nm
Sensing method	: Black paint sensing plate
Sensing element	: Thermopile
Sensitivity	: PCM-01N, PCM-01NL (Voltage output) 約7mV/kW/m ² PCM-01NA, PCM-01NLA (Current output) 4~20mA/0~1.6kW/m ²
Current output circuit	: 2wire method, power : DC24V、impedance : <500Ω
Output accuracy	: Approx.±3%以内
Response speed	: <16sec (95%)
Zero offset	: <5W/m ² (Temp.change5K/h)
Non-linearity	: <2% 以内 (0~1000W/m ²)
Azimuth error	: <40W/m ² (1000W/m ² Beam@80°)
Tilt error	: <2% (0~90° 1000W/m ²)
Temperature range	: -40℃~+60℃
Field of view	: 180°
Measurement range	: 0~2000W/m ²
Temperature dependence	: <6% (-10℃~+40℃)
Body material	: Aluminium (PBTcover)
Waterproof	: IP67
Cable	: S-VSVC, φ4mm、0.2x2 With shield (cable1.0m)
Weight	: PCM-01N Weight ≒200g Cable≒500g
Dimension	: φ80x57mm

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