

Silicon type Pyranometer

PCM - 01SD (L)

PREDE



PCM-01SD



PCM-01SDL

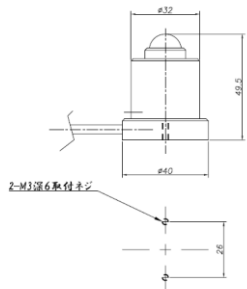
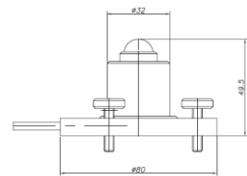
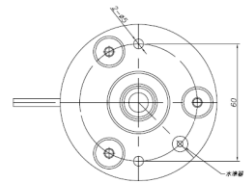
Summary

Pyranometer PCM-01SD 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 Silicon photodiode. The hemispheric glass dome protects an internal sensor and guard deterioration of the sensitivity.

Specification

Sensing element	: Silicon photodiode
Sensing Method	: Diffuser
Output range	: $0.2\text{mV}/\text{W}\cdot\text{m}^{-2}$ ($260\text{mV}/1.3\text{kW}\cdot\text{m}^{-2}$)
Response time	: Approx 1 SEC (63%)
Accuracy	: $\pm 5\%$
Azimuth error	: $< 5\%$ ($< 70^\circ$ Zenith angle)
Repeatability	: $< 1\%$
Non linearity	: $< 1\%$ ($1000\text{W}\cdot\text{m}^{-2}$)
WaveLength rang	: $360\text{nm}\sim 1100\text{nm}$ ($360\sim 400\text{nm} : 5\%\text{point}$)
Field of view	: 180°
Glass dome	: BK7
Cable	: 1.0m
Waterproof	: IP67
Body material	: Anodized alum
Weight	: PCM-01SD Approx 50.0 g、(with cable 30.0) PCM-01SDL Approx 40.0 g (with cable 30.0)
Dimension	: PCM-01SD Approx $\phi 80 \times 55\text{mm}$ PCM-01SDL Approx $\phi 40 \times 50\text{mm}$

Other products : PCM-01N (Thermo pile Voltage output)
PCM-01NL (Thermo pile Voltage output)
PCM-01NA (Thermo pile Current output)
PCM-01NLA (Thermo pile Current output)



PREDE

株式会社ブリード

キップ&ゾーネン日射計 ギル社超音波風速計 メットワン社 他

本社 〒197-0802東京都あきる野市草花1117

技術研究所 〒197-0012東京都福生市加美平1-26-8笹本ビル TEL042-539-3755 FAX042-539-3757

URL: <http://www.prede.com/>

<http://www.nissyakei.com/>

E-mail: sales@prede.com