

## KSP-55 Pyrheliometer Sensor (MS-42)

The KSP-55 detects the energy of solar radiation from the changes in electromotive force of a thermopile caused by the heat of the sun. The sensor element uses the temperature difference between the black and white portions of a black-and-white painted thermopile to obtain an electrical voltage output. The sensor element is tightly sealed under an airtight glass dome.



### FEATURES

1. The pyranometer-type sensor is not direction-dependent.
2. The sunlight-receiving element is sealed inside a glass bulb, thereby eliminating distortion of data due to humidity as well as time-consuming maintenance steps to remove humidity.

### SPECIFICATIONS

<b>Detection method</b>	Thermopile
<b>Measurement range</b>	0-1.4 kW/m <sup>2</sup>
<b>Sensitivity</b>	Approx. 7.0 mV/kW•m <sup>2</sup>
<b>Size/weight</b>	Approx. 150 mm diam. × 120 mm H, 2.5 kg



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