

Solar Radiation Sensor

Solar radiation sensor WDS-RD-300I

The Solar Radiation Sensor, or solar pyrometer, measures global radiation, the sum at the point of measurement of both the direct and diffuse components of solar irradiance. The sensor's transducer, which converts incident radiation to electrical current, is a silicone photodiode with wide spectral response.



Technical Specifications

Descripción	Solar Radiation Sensor WDS-RD-300I
Operating temperature	-40° to +65°C
Storage temperature	-45° to +70°C
Spectral response	400 to 1100 nanometers
Temperature coefficient	+0.12% per °C
Reference temperature	25°C
Weight	250 g
Range	0 to 1800 W/m ²
Accuracy	±5% of full scale
Output	0 to 3 VDC (0-1800 W/m ²) green color
Power supply	7-24 VDC 1mA (typical) yellow color
Reference	WDS - RD - 300I

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