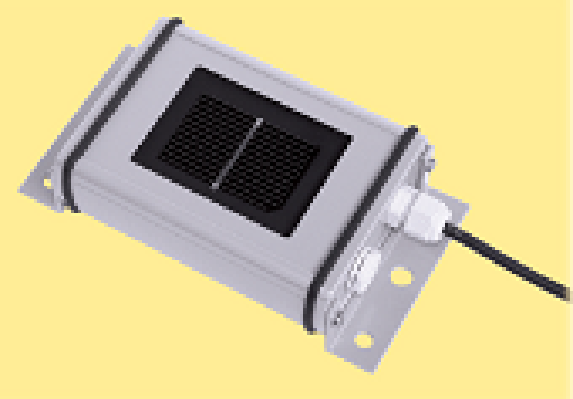
IRRADIANCE SENSOR

GTM 92005



ABOUT GTM 92005

GTM 92005 irradiance sensor is a rugged and reliable solution for the measurement of solar irradiance designed specifically for the monitoring of Photovoltaic (PV) systems.

GTM 92005 is ideal as reference for the monitoring of PV systems thanks to its construction based on sensor elements corresponding to PV module. Its spectral response is comparable to PV modules as well as the similar inclination error (incident angle modifier) allow an exact analysis of PV energy yields using silicon sensor data.

SPECIFICATION

- Solar cell: Monocrystalline silicon (50 mm x 33 mm)
- Operating temperature: -35˚C to 80˚C
- Electrical connection: 3 m shielded cable
- Case, protection mode: Powder-coated aluminium, IP 65
- Dimension, weight: 155 mm x 85 mm x 39 mm, approx. 350 to 470 g
- Power Supply: 24Vdc (12 - 28Vdc)
- Output Signal: 0 to 1,400 W/m2
- Resolution: 0.1 W/m2
- Measurement Uncertainty: +/- 5W/m2, +/- 2.5% of measurement value
- Si-Reference calibrated at Physikalisch-Technische Bundesanstalt, Braunschweig, Germany, National Metrology Institute of Germany.
- Calibration traceability- IEC 60904

FOR INQUIRY, PLEASE CONTACT IMC-NIPPON CORP.

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