

FROM CALTEK SOLAR PYRANOMETER



Solar Radiation sensor

We are engaged in providing Solar Radiation Sensor with the following features:

- Operating Temperature : -40° to $+150^{\circ}$ F (-40° to $+65^{\circ}$ C)
- Storage Temperature : -50° to $+158^{\circ}$ F (-45° to $+70^{\circ}$ C)
- Transducer : Silicon photodiode
- Spectral Response (10% points) : 400 to 1100 nanometers
- Cosine Response
- Percent of Reading : $\pm 3\%$ (0° to $\pm 70^{\circ}$ incident angle); $\pm 10\%$ ($\pm 70^{\circ}$ to $\pm 85^{\circ}$ incident angle)
- Percent of Full Scale : 2% (0° to $\pm 90^{\circ}$)
- Supplied Cable Length : 3' (0.9 m)
- I/O Specifications
- Green wire : Output (0 to +3VDC); 1.67 mV per W/m²
- Red & Black wires : Ground
- Yellow wire : +3 VDC $\pm 10\%$; 1mA (typical)
- Temperature Coefficient : $+0.067\%$ per $^{\circ}$ F ($+0.12\%$ per $^{\circ}$ C)
- Reference temperature : 77° F (25° C)
- Housing Material : UV-resistant PVC plastic
- WITH DIGITAL DISPLAY UNIT & 4 TO 20 mA O/P