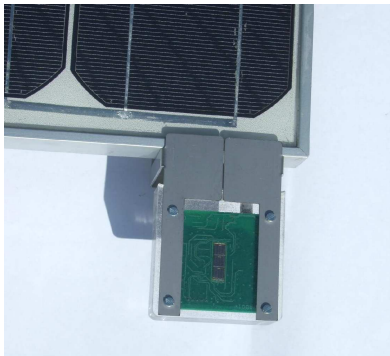


**SOLAR SENSOR**
**SUNMETER**


measures irradiation with a silicon cell using our TZOS (True Zero-Ohm Shunt) technology; through a D.S.P. Signal is filtered and linearized. It is designed to meet five requirements: a high degree of linearity of measurement, compatibility with any data logger, reliability, easy to install, contained price.

**Input**

**Irradiation range:** 0 – 1250W/m<sup>2</sup> temperature compensated

**Temperature Range:** -30° - + 90°C with external PT100

**Out**

**Voltage:** 0 - 10V, 0 - 5V  
(optional 0 – 40mV adapter kit )

**Current:** 0-20mA, 4-20mA

**Digital:** RS485 standard Modbus RTU

**Out. Precision**

**Irradiation:** +/- 3% *[ in assessment course.. ]*

**Temperature:** +/- 0,5°C

**Supply :** 9 – 30 Vdc protected against reverse polarity, Short circuit

**Encapsulation:** Resin UV resistant

**Case:** Stainless steel with screw-clamp to fix it on modules or montage profile

**Wire:** 50cm cable UV resistant

**Connectors:** 10 pin IP67 degree

**Dimensions :** 7 x 11 x 2,2 cm.

Every solarimeter is 2 point calibrated with a primary sensor referenced to a first class pyranometer