



PYRANOMETER "16103-Modbus"

Global Radiation

Meets the requirements...

of ISO 9060 "Second Class".

The 16103-Modbus pyranometer is ideal for solar radiation measurements in meteorological networks and PV monitoring systems.

It measures solar radiation received by a plane surface, in W/m^2 , from a 180° field of view angle.

The 16103-Modbus employs a thermopile sensor with black coated surface, one dome and an anodised aluminium body with visible bubble level.

- ISO 9060 "Second Class"
- with Modbus over RS485 and analogue 0-1 V output
- easy mounting and levelling
- ideal for PV power plant monitoring

professional meteorological applications • building automation
 • photovoltaic systems • industrial meteorology



Standard Line

Meas. element/ -principle:

Measuring range:

Range of application:

Non-linearity:

Resolution:

Output:

Power supply:

Power requirement:

Response time (95%):

Directional answer:

Dimensions/ Weight:

Standards:

Accessories: (not included in delivery)

32.14567.060 010

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Pyranometer 16103-Modbus

Id-No. 00.16103.501 060

thermopile with high-quality thermo-electric cells • thermal

0...2000 W/m^2 • global radiation within a range of 285...3000 nm

temperatures -40...+80 °C

< $\pm 1\%$ (100...1000 W/m^2)

0.2 W/m^2

Modbus RTU (RS485) • analogue output 0-1 V

24 V (5...30 VDC)

75 mW

< 18 s

< $\pm 25 W/m^2$

approx. \varnothing 56 mm (without plug) · H 80 mm (without adapter) • approx. 0.3 kg

ISO 9060 "Second Class" • IP 67 • certificate for sensitivity (included in delivery) • ISO 9847

Cable for sensor with M12, 4 pin plug connector · length: 15 m

Ball Level for mounting on traverse system 14627

Ball Level Set for tube and panel mounting