

16103.5 PYRANOMETER



ISO 9060 "Second Class"

16103.5 series is the most affordable range of pyranometers meeting ISO 9060 second class requirements. They are ideal for general solar radiation measurements in (agro-) meteorological networks and PV monitoring systems.

The pyranometers are easy to mount and install. Various outputs are available, both digital and analogue, for ease of integration.

- industrial standard digital outputs or analogue millivolt output: easy implementation and servicing
- easy mounting and levelling
- Second Class pyranometers finally affordable for large networks

APPLICATIONS

- general solar radiation measurements
- (agro-)meteorological networks
- PV power plant monitoring

Professional Line	16103.5
Id-No.	00.16103.501040 Digital sensor with analogue 4...20 mA output 00.16103.501000 Analogue sensor with passive millivolt (mV) output
Measuring range	0...2000 W/m ² • global radiation within a range of 285...3000 nm
Directional answer	< ± 25 W/m ²
Resolution	0,2 W/m ²
Response time	< 18 s (95 %)
Non-linearity	< ± 1 % (100...1000 W/m ²)
Range of application	temperatures -40...+80 °C
Supply voltage	24 V (5...30 VDC)
Power consumption	75 mW
Measuring elements	thermopile with high-quality thermo-electric cells
Measuring principle	thermal
Dimensions	approx. Ø 56 mm (without plug) · H 80 mm (without adapter)
Protection class	IP 67
Weight	approx. 0.3 kg
Standards	ISO 9060 „Second Class“ • Certificate of Sensitivity (included) • ISO 9847
Accessories (order separately)	32.14627.006000 Ball levelling set 32.16103.500010 Ball level set for tube and panel mounting 32.05004.000500 Cable 5 m, M12 plug connector 32.14567.060000 Cable 12 m, M12 plug connector 32.14567.060010 Cable 15 m, M12 plug connector 32.14567.060040 Cable 20 m, M12 plug connector 32.05005.001500 Cable 12 m, 5-pin*, M12 plug connector *) The 5-pin cable is required for the versions with the 0-1 V output or the mV-output.

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