LAMBRECHT
meteo

AN **aem** BRAND

16103.5 PYRANOMETER

0 ... 1V ANALOG OUTPUT

4 ... 20mA ANALOG OUTPUT

ANALOG OUTPUT

GLOBAL RADIATION

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 32.14567.060000 Cable 12 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 mV-output.

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