PRODUCT-VIEW

LAMBRECHT meteo

AN aem BRAND

sun[e] Modbus PYRANOMETER

Digital “Secondary Standard” Pyranometer

The sun[e] Modbus o ers the highest accuracy and highest data availability: using new ventilation and heating technology, the sun[e] Modbus outperforms all pyranometers equipped with traditional ventilation systems. sun[e] Modbus is the ideal instrument for use in PV system performance monitoring and meteorological networks. It measures the solar radiation received by a plane surface, in W/m^2, from a 180° field of view angle.

- heated for best data availability
- new technology outperforms traditional pyranometer ventilation
- compliant in its standard configuration with the requirements for Class A PV monitoring systems of the IEC 61724-1:2017

APPLICATIONS

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

Professional Line	sun[e] Modbus
Id-No.	00.16130.501030
Measuring range	-400...4000 W/m^2 • global radiation within a range of 285...3000 nm
Directional answer	< ± 10 W/m^2
Resolution	0.05 W/m^2
Spectral sensitivity	< ± 3 % (0.35...1.5 µm) • tilt deviation < ± 2 %
Response time	3 s (95 %)
Non-linearity	< ± 0.2 % (100...1000 w/m^2)
Output	Modbus RTU
Range of application	temperatures -40...+80 °C
Supply voltage	24 VDC (8...30 VDC)
Power consumption	approx. 2.3 W
Measuring elements	thermopile
Measuring principle	thermal difference measurement
Dimensions	max. Ø 92 mm · approx. H 95 mm
Protection class	IP67
Weight	approx. 0.64 kg
Standards	ISO 9060 “Secondary Standard”
Accessories (order separately)	32.14567.060010 sensor cable, 15 m, 4 pole, M12 plug 32.14567.060000 sensor cable, 12 m, 4 pole, M12 plug

As of: 24.07.2022