PYRANOMETER

Global Radiation

“First class”...

not only according to the WMO Classification!
The special, high-quality thermocouples ensure the high linearity and accuracy of this pyranometer. The double glass dome is an additional feature that signifies the high device quality. The protective shield provides optimum measuring conditions as the result of a homogeneous housing temperature.
The adjustment is greatly simplified by the integrated levelling device.

- precise, universal measuring device
- design with double glass dome
- high-quality materials for long-term stability, resistance to environmental influences and UV-resistance
- analog signal output

agricultural measuring stations • photovoltaic • meteorological and hydrological measuring systems • routine measurements

Professional Line	**(16131.3) Pyranometer**	**Id-No. 00.16131.300 000**
Meas. element/ -principle:	thermopile • thermal difference measurement	
Measuring range:	0...3000 W/m² • global radiation within a range of 285...3000 nm	
Range of application:	temperatures -40...+80 °C	
Spectral sensitivity:	‹ ± 5 % (0.35...1.5 µm) • tilt deviation ‹ ± 2 %	
Non-linearity:	‹ ± 1 % (100...1000 w/m²)	
Sensitivity:	7...25 µV/ W/m²	
Response time (95%):	‹ 18 s	
Directional deviation:	‹ ± 20 W/m²	
Impedance:	40...60 Ω	
Output:	typical 0.1...50 mV	
Dimensions/ Weight:	max. Ø 144 mm · approx. H 90 mm · cable length 10 m • approx. 0.9 kg	
Standards:	ISO 9060 „First class” • certificate for sensitivity	
Accessory:		
00.08763.055 002	**(8763 S) Two-channel transducer** for Pyranometer (optional)	