

### Presented in the proper light...

and in a sunny spot the pyranometer (16103.3) is in an ideal location.

The determination of global radiation is performed by thermal difference measurement by means of a thermopile, which comprises high-quality thermocouples. The glass dome above it protects against cooling by wind and against soiling.

For optimum orientation the pyranometer is equipped with an integrated levelling base plate.

- “Second class” according to the WMO Classification
- high-quality materials
- very robust and resistant to environmental influences
- long-term stability, UV-resistant
- analog signal output

industry • material testing under artificial sunlight or outside • photovoltaic • agrarian meteorology • road condition monitoring



Standard Line	(16103.3) Pyranometer	Id-No. 00.16103.300 000
Meas. element/ -principle:	thermopile with high-quality thermo-electric cells • thermal	
Measuring range:	max. 2000 W/m <sup>2</sup> • global radiation within a range of 305...2800 nm	
Range of application:	temperatures -40...+80 °C	
Non-linearity:	± 2.5 %	
Sensitivity:	10...40 μV/ W/m <sup>2</sup>	
Response time (95%):	< 18 s	
Directional error:	< ± 25 W/m <sup>2</sup>	
Dimensions/ Weight:	approx. Ø 100 mm • max. H 80 mm • cable length 10 m • approx. 0.6 kg	
Standards:	ISO 9060 „second class” • IP 67 • certificate for sensitivity (included in delivery) • ISO 9847	
<u>Accessories:</u>		
<b>00.08763.055 002</b>	<b>(8763 S) Two-channel transducer</b> for Pyranometer (optional)	
<b>32.16103.301 000</b>	<b>(16103.3-U1) Radiation protection screen</b> for Pyranometer (optional)	