

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:		0...2000 W/m ² • global radiation within a range of 285...3000 nm	
Range of application:		temperatures -40...+80 °C	
Non-linearity:		< ± 1 % (100...1000 W/m ²)	
Sensitivity:		7...25 µV/ W/m ²	
Response time (95%):		< 18 s	
Directional error:		< ± 25 W/m ²	
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>			
00.08763.055 002	(8763 S)	Two-channel transducer for Pyranometer (optional)	
32.16103.301 000	(16103.3-U1)	Radiation protection screen for Pyranometer (optional)	