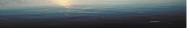
PYRANOMETER

Global Radiation



In a favorable light ...
and on the sunny side, the Pyranometer finds an ideal place.
The determination of global radiation is carried out by means of measuring the thermal differences.
Numerous high-quality thermoelements are arranged on a black reception surface. The spherical cap protects the device against cooling by wind and dirtying.

A levelling panel and shade collar guarantee optimal use and a homogenous temperature inside the case.

- "Second class" in accordance with WMO
- high-quality materials
- very robust and resistant against environmental influences
- long-lasting, UV-resistant
- analogous signal output
- two pyranometers to quantify theradiation balance

Industrial applications • Material testing under artificial sunlight or outside • photovoltaic • agrarian meteorology • road condition monitoring



Standard Line	(16103)	Pyranometer	ld-No. 00.16103.000 000	
Measuring element:		thermopiles with 64 thermo-electric cells • thermal		
Measuring range:		o2000 W/m² ● gobal radiation within short-wave range of 0.3052.8 µm		
Range of application:		temperatures -40+80°C		
Non-linearity:		± 2.5% at < 1000 W/m²		
Sensitivity:		1035 μV/ W/m²		
Response time:		95% 18 S		
Directional error:		± 25 W/m² at 1000 W/m²		
Impedance:		79200 Ω		
Dimensions/ Weight:		Ø 54 mm · H 58 mm · cable length	10 m ⋅ 0.4 kg	
Standards:			e for sensitivity acc. to DIN EN 10204	
Accessories:				
32.16103.003 000	(16103 U	(16103 U3) Leveling device and reflector for Pyranometer		
00.08763.055 002	(8763 S)	(8763 S) Two-channel transducer for Pyranometer (optional), see page 102.		





