



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 homogeneous 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 the radiation balance

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



### Standard Line

(16103)

### Pyranometer

Id-No. 00.16103.000 000

Measuring element:  
 Measuring range:  
 Range of application:  
 Non-linearity:  
 Sensitivity:  
 Response time:  
 Directional error:  
 Impedance:  
 Dimensions/ Weight:  
 Standards:

thermopiles with 64 thermo-electric cells ● thermal  
 0...2000 W/m<sup>2</sup> ● global radiation within short-wave range of 0.305...2.8 µm  
 temperatures -40...+80°C  
 ± 2.5% at < 1000 W/m<sup>2</sup>  
 10...35 µV/ W/m<sup>2</sup>  
 95% 18 s  
 ± 25 W/m<sup>2</sup> at 1000 W/m<sup>2</sup>  
 79...200 Ω  
 Ø 54 mm · H 58 mm · cable length 10 m · 0.4 kg  
 ISO 9060 „second class” ● certificate for sensitivity acc. to DIN EN 10204 (included in delivery)

### Accessories:

**32.16103.003 000**  
**00.08763.055 002**

**(16103 U3) Leveling device and reflector** for Pyranometer

**(8763 S) Two-channel transducer** for Pyranometer (optional), see page 102.

