



**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.

