

PYRANOMETER

Global Radiation



“First class”...

not only according to WMO classification! Improved linearity and increased accuracy are achieved by the special selection of the thermoelements.

The shade collar provides optimal measuring quality by homogenous temperature inside the housing. Adjustment is simplified by the integrated levelling device. Last but not least the dry gel cartridge prevents fogging inside the glass dome.

- global radiation meter, two pyranometers offer the possibility of measuring radiation balances
- opto-electronic measuring principle
- precise, universal measuring station
- high-quality materials for longevity, UV resistant as well as resistant against environmental influences
- analogous signal output
- parameters documented in accompanying factory test certificate (DIN EN 10204)
- routine measurements ●
- agricultural measuring stations ●
- meteorological measuring systems ●
- photovoltaic

Professional Line

(16131) Pyranometer

Id-No. 00.16131.000 000

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/m² ● global radiation within short-wave range of 0.305...2.8 μm
 temperatures -40...+80°C
 ± 1.2% at < 1000 W/m²
 9...15 μV/ W/m²
 95% 18 s
 < ± 20 W/m² at 1000 W/m²
 70...100 Ω
 Ø 150 mm · H 80 mm · cable length 10 m · 0.9 kg
 ISO 9060 „first class” ● certificate for sensitivity acc. to DIN EN 10204
 (included in delivery)

Accessories:

00.08763.055 002

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

