



### Design and progress...

are united in this revolutionary and futuristic-looking radiometer to an ingenious and highly reliable measuring system. Maintenance-free, conic and teflon-coated sensor elements make the constructive abandonment of housing and glass dome possible.

The vertical metal rod prevents soiling by landing birds.

- ▶ small, light, robust
- ▶ highly precise evaluation of radiation balance in long-wave ranges
- ▶ thermopile measuring principle
- ▶ high quality materials guarantee long-term stability and weathering resistance
- ▶ integrated level for easy levelling
- ▶ analogous signal output
- ▶ factory test certificate included (DIN 10204)

agricultural meteorology • building physics (comfort analysis) • road condition monitoring

Professional Line	(16123) Net Radiometer	Id-No. 00.16123.100 000
Measuring element:	thermopiles • conic, teflon-coated absorber (without glass dome)	
Measuring range:	-2000...+2000 W/m <sup>2</sup> • radiation balance within a range of 0.2...100 μm	
Range of application:	temperatures -30...+70 °C	
Non-linearity:	< 1 %	
Response time (95 %):	< 60 s	
Sensitivity:	10 μV/ W/m <sup>2</sup> (nominal)	
Temperature dependence of sensitivity:	-0.1 %/ °C (typical)	
Directional error:	< 3 % at 0...60° angle of incidence at 1000 W/m <sup>2</sup> • sensor asymmetry < 15 %	
Dimensions:	Ø 80 mm • supporting arm L 800 mm • Ø 20 mm • cable length 15 m	
Weight:	approx. 0.5 kg	
Included in delivery:	certificate for sensitivity	
<u>Accessories:</u>		
<b>00.08763.056 002</b>	<b>(8763 SB) Two-channel transducer</b> for Radiometer (optional)	