

# 16123 NET RADIOMETER



Small, light, robust

Design and progress are united in this revolutionary and futuristic-looking radiometer to create an ingenious and highly reliable measuring system. Maintenance-free, conic and tefloncoated 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 within a wide wave length range
- Thermopile measuring principle
- High quality materials guarantee long-term stability and resistance to weathering
- Analog signal output
- Factory test certificate included (DIN 10204)

## APPLICATIONS

- Agricultural meteorology
- Building physics (comfort analysis)
- Road condition monitoring

Professional Line	16123
Id-No.	00.16123.100000
Measuring range	-2000...+2000 W/m <sup>2</sup> ; radiation balance within a range of 0.2...100 μm
Sensitivity	10 μV/ W/m <sup>2</sup> (nominal); temperature dependance: -0.1 %/ °C (typically)
Response time	< 60 s (95 %)
Directional error	< 3 % at 0...60° angle of incidence at 1000 W/m <sup>2</sup> ; sensor asymmetry < 15 %
Non-linearity	< 1 %
Range of application	Temperature: -30...+70 °C
Measuring elements	Thermopiles; conic, teflon coated absorber (without glass dome)
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

As of: 14.03.2025