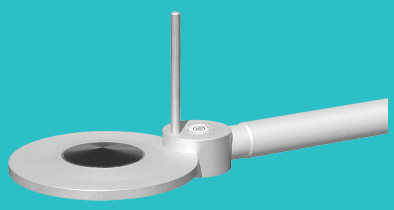
PRODUCT OVERVIEW

16123 Net radiometer

POSSIBLE APPLICATIONS

· Agricultural meteorology
· Building physics (comfort study)
· Road condition monitoring



Small, light, robust

Design and progress come together in this revolutionary and futuristic-looking radiometer to create a well-designed and extremely reliable measuring system. Maintenance-free, conical, Teflon-coated sensor elements make it possible to dispense with a housing and glass dome. The vertical metal rod prevents contamination from landing birds.

· Small, light, robust
· High-precision determination of the radiation balance in the long-wave range
· Thermal column measuring principle
· High-quality materials for long-term stability and environmental resistance
· Integrated spirit level for easy leveling
· Analog signal output
· Factory test certificate (DIN EN 10204) included

PRODUCT OVERVIEW

16123 Net radiometer

Professional Line	16123
Ident-No.	00.16123.100000
Measuring ranges	-2000...+2000 W/m^2; radiation balance in the range of 0.2...100 µm
Sensitivity	10 µV/W/m^2 (nominal); temperature dependence: -0.1%/ °C (typical)
Response time	< 60 s (95%)
Directional error	< 3% at 0...60° angle of incidence at 1000 W/m^2; Sensor symmetry < 15 %
Nonlinearity	< 1 %
Areas of application	Temperature: -30...+70 °C
Measuring elements	Thermal column; conical, Teflon-coated absorber (without dome)
Dimensions	Ø 80 mm; mounting arm L 800 mm; Ø 20 mm; 15 m cable
Weight	Approx. 0.5 kg
Included in the scope of delivery	Certificate of sensitivity

As of November 15, 2026