

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 ² • 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 ² (nominal) | |
| Temperature dependence of sensitivity: | | -0.1 %/ °C (typical) | |
| Directional error: | | < 3 % at 0...60° angle of incidence at 1000 W/m ² • 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> | | | |
| 00.08763.056 002 | (8763 SB) | Two-channel transducer for Radiometer (optional) | |