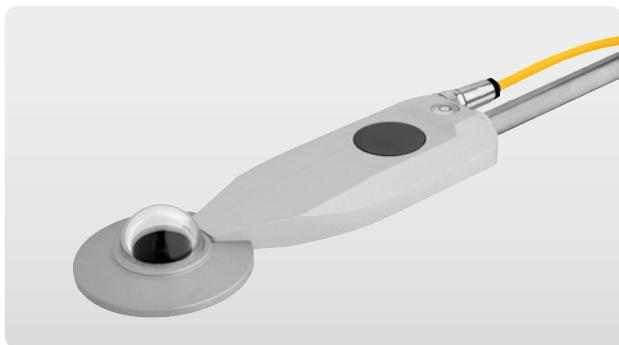


CNR 2



CNR 2 is a two-component net radiometer with a unique design. It features two separate outputs for net short-wave (solar) and net long-wave (atmospheric and terrestrial) radiation. The glass domes and silicon windows protect the two differential thermopile detectors from environmental factors, are easy to clean and minimise the effects of wind and rain.

As standard the CNR 2 is supplied with 10 m of signal cable and a high quality waterproof connector. The screw-in mounting rod and built-in bubble level provide convenient fitting to masts and poles. A replaceable drying cartridge prevents internal condensation. CNR 2 is ideal for use in field studies.

Specifications

Number of signal outputs	2 - net short-wave and net long-wave radiation
Response time (95 %)	< 10 s
Temperature dependence of sensitivity	< 5 % from -10 °C to +40 °C
Sensitivity (nominal)	10 to 15 $\mu\text{V}/\text{W}/\text{m}^2$
Operating temperature	-40 °C to +80 °C
Spectral range (50 % points)	310 to 2800 nm short-wave 4.5 to 42 μm long-wave
Sensor asymmetry (upper/lower)	< 5 %
Field of view	180 ° short-wave 150 ° long-wave
Mounting rod (screw-in)	300 mm long x 12 mm \emptyset

Article

Part number

CNR 2 Net Radiometer • two-component • 10 m cable	0366900-002
Options for CNR 2	
CNR 2 Net Radiometer • 25 m cable	0366900-004
CNR 2 Net Radiometer • 50 m cable	0366900-005
CNR 2 Net Radiometer • plug only, no cable	0366900-008
100 m cable	On request

Accessories for CNR 2

Part number

Drying Cartridge (minimum order 5 cartridges)	4250025
CMB 1 Mounting Bracket To enable easy attachment of the mounting rod to a pole or a wall	0369701