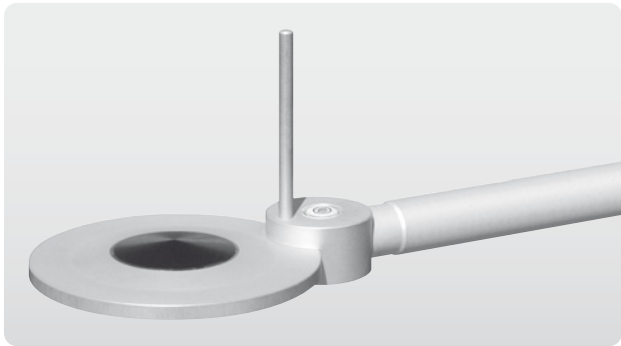


NR Lite2



NR Lite2 is a single-component net radiometer widely used in agriculture and hydrology. The thermopile detector is fitted with black Teflon™ coated conical absorbers on both sides that have a very wide spectral response from the ultraviolet (UV) to the far infrared (FIR). The signal output is the difference between the sun and sky radiation and the ground radiation and can be positive or negative, depending upon the conditions.

There is an integral mounting rod for fitting to masts and poles, a bubble level, 15 m long signal cable, and a stick to prevent birds settling on the instrument. The single output means that the short-wave and long-wave components and the upwards and downwards components cannot be separated. For this use our two-component or four-component net radiometers.

Specifications

Number of signal outputs	1 - net total radiation
Response time (63 %)	< 20 s
Directional error (at 60 ° solar zenith angle)	< 3 %
Temperature dependence of sensitivity	- 0.1 % / °C (typical)
Sensitivity (nominal)	10 µV/W/m²
Operating temperature	-30 °C to +70 °C
Spectral range	200 nm to 100 µm
Irradiance (net)	-2000 to +2000 W/m²
Sensor asymmetry (upper / lower)	< 15 %
Field of view	180 °
Mounting rod (fixed)	800 mm long x 20 mm Ø

Article	Part number
NR Lite2 Net Radiometer • single-component • 15 m cable	0344920-003
Options for NR Lite2	
NR Lite2 Net Radiometer • AMPBOX • 15 m cable	0344920-803
<i>Note: AMPBOX is adjusted so that 4 mA output = -400 W/m², 8 mA = 0 W/m² and 20 mA = +1200 W/m²</i>	

Accessories for NR Lite2	Part number
CMB 1 Mounting Bracket	0369701
To enable easy attachment of the mounting rod to a pole or a wall	
METEON + NR Lite2 Net Radiometer • 15 m cable	0344920-703
<i>Note: NR Lite2 will not fit in the METEON carrying case</i>	