



Net radiometer

Probe to measure the net radiation in confined environments. In environments with low air velocity it is possible to obtain a measurement close to the mean plane radiant temperature obtaining the direction of the radiant flows. To operate, the probe must be combined with a temperature probe. Portable use or attached to stand BVA306. Sensitivity value are reported in the calibration certificate enclosed.

Order numb.

ESR231

Thermal flow between two semi-areas of the environment

<i>Principle</i>	Termopile
<i>Spectral range</i>	0,3÷50 µm
<i>Uncertainty</i>	3%
<i>Output</i>	µV/W/m ²
<i>Range</i>	-1500÷+1500 W/m ²

General information

<i>Housing</i>	Anodised aluminium
<i>Protection</i>	IP54
<i>Operative temperature</i>	-30÷+70°C
<i>Cable</i>	L 1 m
<i>Connector</i>	Double min-din
<i>Input type on E/M/R-Log</i>	N. 2 analog
<i>E/M/R-Log derived quantities obtained</i>	<ul style="list-style-type: none"> - Planar radiant asymmetry, - Planar radiant mean temperature - Planar temperature - People dissatisfied by radiant asymmetry (ISO7730)
<i>Mounting</i>	On BVA311-313 stands
<i>Data logger compatibility</i>	M-Log (ELO009), R-Log (ELR510)





Heat flow meter

Probe to measure the heat flux on walls or soil. It measures the heat that flows through the object. Exchange through conduction with the solid and through irradiation and convection with the environment.

Sensitivity value are reported in the calibration certificate enclosed.

Order numb.

Connector

Data logger compatibility

DPE240

Free wires (4 wires)

M-Log (ELO007-008)

R-Log (ELR515)

E-Log (all models)

ESR240

Mini-Din connector

M-Log (ELO009)

R-Log (ELR510)

Common features

Thermal flow on the wall or inside ground

Principle

Termopile

Uncertainty

5% over 12 hrs measurement

Sensibility

50 $\mu\text{V}/\text{W}/\text{m}^2$

Range

-2000÷+2000 W/m^2

Sensor thermal resistance

< 6.25 10 E-3 $\text{K m}^2/\text{W}$

General information

Housing

Anodised aluminium

Protection

IP66

Operative temperature

-30÷+70°C

Cable

L 5 m

Connector

Mini-din

Input type on E/M/R-Log

Analog

Datalogger compatibility

M-Log (ELO009), R-Log (ELR510)

Mounting

Fixed on wall or inside ground

