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Operating instructions

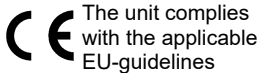


Abb. 1: Thermopile, Moll type 08480-00

CONTENT

1 SAEFTY PRECAUTIONS

2 PURPOSE AND CHARACTERISTICS

3 TECHNICAL DATA

4 WASTE DISPOSAL

1 SAEFTY PRECAUTIONS

- Do not touch the inlet opening (measuring funnel). The surface is very sensitive and not protected against abrasion by fingers or other objects.
- Do not touch the device during measurement.
- Avoid direct sunlight or installation near radiators.
- Set up the thermopile approx. 3 cm from the object to be measured.

2 PURPOSE AND CHARACTERISTICS

The thermopile is a highly sensitive apparatus used for measuring radiation (e.g. heat radiation from black bodies, reflection of long-wave heat radiation).

Integrated in a metal housing with a polished funnel, the thermopile consists of a black surface of 15 mm diameter to which 17 thermocouples are connected. The thermocouples generate a thermoelectric potential U which is proportional to the intensity of the incident heat radiation

3 TECHNICAL DATA

Sensitivity:	approx. 0,14 $\mu\text{V}/\mu\text{W}$
Setting time:	40 s für 95% of the measured value
Black surface:	15 mm \varnothing
Internal resistance:	1 Ω
Connections:	two 4-mm-saefty connectors
Dimensions:	94 mm x 40 mm \varnothing
Shaft:	10 mm \varnothing
Weight:	approx. 200 g

4 WASTE DISPOSAL

The packaging mainly consists of environmentally friendly materials that should be returned to the local recycling stations.



Do not dispose of this product with normal household waste. If this unit needs to be disposed of, please return it to the address that is stated below for proper disposal.

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