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5240573 - Climate Sensor S
Order code: **5210.5240573**



Information about product price on demand

Parameters

Sensors

Fyzika

Quantitative unit

ks

Sensor allows simultaneous recording of up to 5 climate-related parameters with Sensor-CASSY 2, Mobile CASSY, Pocket-CASSY 2 or the universal physics and biology measuring instruments.

This sensor is only supported by CASSY Lab 2, which is also available as an upgrade (5210.524220UP).

Technical Data:

- **Relative humidity:**

Measuring range: 0 ... 100%

Resolution: 0.1%

Accuracy: $\pm 3\%$ (range 20 ... 80%)

- **Air temperature:**

Measuring range: -40 ... 85 °C

Resolution: 0.1 °C

Accuracy: ± 0.5 °C (range 0 ... 70 °C)

- **Illuminance:**

Measuring range: 200 lx, 2/20/180 klx

Comparison: Full moon-light (0.25 lx), bright sunny day (100 klx)

Resolution: 0.1 lx in the smallest measuring range

Wavelength range: 400 ... 700 nm (adapted to the spectral sensitivity of the eye)

- **Atmospheric pressure:**

Measuring range: 500 ... 1100 hPa

Resolution: 0.01 hPa

Accuracy: ± 2 hPa

- **Height:**

Calculated by the barometric formula using the atmospheric pressure

Reference height or zero settable

Resolution: 0.1 m

- **Dimensions:** 70 × 50 × 25 mm

- **Weight:** 50 g