

PT1000 SENSOR IN ENCLOSURE

Item No.: 423.210



DESCRIPTION OF FUNCTION

The sensor measures the ambient temperature using a PT1000 measuring resistance. The sensor can be connected directly to an analog input of every meteocontrol data logger. The logger must be configured for resistance measurement.

TECHNICAL DATA

PT1000 sensor in enclosure

| | |
|-----------------------------------------------------|-----------------------------------------------------------|
| Operating temperature: | -35 ... 90 °C |
| Protection class: | IP65 according to EN 60529 |
| Dimensions (W x H x D): | 57 mm x 69.5 mm x 40 mm |
| Dimensions incl. mounting bracket cover (W x H x D) | 68 mm x 69.5 mm x 40 mm |
| Sensor type: | PT1000 |
| Connection terminal: | Removable plug-in terminal, max. 2.5 mm ² |
| Cable entry: | M16 for wire max. $\varnothing = 3 \dots 7$ mm, removable |
| Enclosure: | Enclosure USE-S, PC, pure white |

TEMPERATURE MEASUREMENT

| | |
|----------------------|-------------------------------------|
| Output signal: | Electrical resistance, DIN EN 60751 |
| Measuring range: | -35 ... 90 °C |
| Current consumption: | < 1 mA |
| Accuracy: | typ. ± 0.3 K (typ. at 21 °C) |

MEASUREMENT VALUES RECORDED

| | |
|-------|---------------------|
| T_Ux* | Ambient temperature |
|-------|---------------------|

PARTICULARITIES

*Abbreviation
 x is a placeholder for a consecutive number. If more than one sensor of a given type is installed, the numbering starts with 1. Otherwise, 0 is used.