

PT100 SENSOR IN CASING

Sensor for PT100 signal converter

Article no.: 423.200



FUNCTIONAL DESCRIPTION

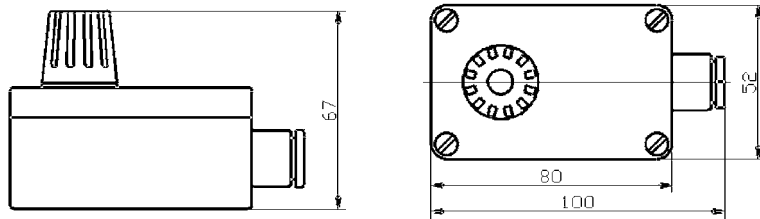
This sensor for measuring ambient temperature is covered by a protective cap and is mounted in a casing with the protection class IP 65. It can be connected to the analog input of the data logger using an external converter – e.g., PXT-10.

TECHNICAL DATA

PT100 sensor in casing:	Casing: Sensor element: Element resistance: Operating temperature:	Plastic casing, IP 65, 100 mm x 54 mm x 67 mm Resistance thermometer, DIN EN 60751, Class B 100 Ω at 0°C –30 to 80°C
PT100 signal converter: Article nos.: 423.301 (24 V), 423.302 (230 V)	Imprecision: Linearity: Temperature coefficient: Power supply: Power consumption: Insulation for supply: Indications: Operating temperature:	< 1 % of the measurement range, without scaling < 0.25 % of the full scale value < 0.02 % / K DC version: 24 V (20.4 V to 27.6 V) AC version: 230 V (196 V to 264 V) DC: 2 W, AC: 3 W AC: 3.75 kV, 1 minute Green LED = power supply Yellow LED = input signal 5 to 10 % of the maximum signal –20 to 55°C

**CASING DIMENSIONS
 AND ASSIGNMENT FOR
 THREE-WIRE CONNECTION,
 OUTPUT 0 TO 10 V**

PT100 sensor in casing:



Dimensions and assignment at the PT100 signal converter:

