ACCESSORY

High-Precision Miniature
TEMPERATURE TRANSMITTER
AX - 1000-Premium

Accurate temperature measurement over a wide working range, fitted in a small-sized housing and highflexibility have been the main goals for the development of the EE08 series.
Low power consumption and short start-up time support efficient energy management for battery operated systems.

Calibration data and other relevant functions like linearization or temperature compensation are stored in the probe. This feature, together with the optional connector, allows for easy replacement of the probe without a need for re-adjustment of the reading device (interchangeability). The temperature measurement are available as analogue outputs (0-10 Volts) and as a digital interface (E2-interface). Easy implementation and data processing is warranted.

TYPICAL APPLICATIONS

- meteorology / weather stations
- humidity / temperature data logging
- incubators
- fermentation chambers
- green houses
- snow machines
- dry storage facilities

FEATURES

- small dimensions
- wide working range, high accuracy
- traceable calibration
- customer adjustment possible
- interchangeable in seconds
- low power consumption / short start-up time
- analogue outputs / digital interface

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Temptransmitter_premium_datasheet
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TECHNICAL DATA
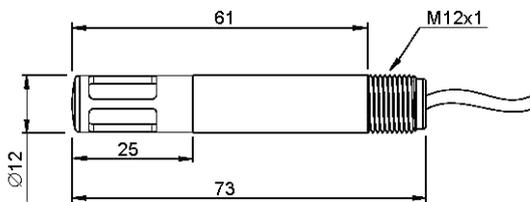## MEASURING VALUES

Temperature
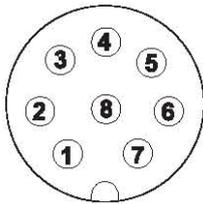|	
Sensor	Pt 1000 (DIN A)
Digital	output (2 wire)2) output value: -40.00...+80.00°C (-40...176°F)
Analogue output	0-10V -0.2mA < IL < 0.2mA

GENERAL

Supply voltage	7-30V DC	
Current consumption	typ. < 1.3mA	
Digital interface	E2-interface	level = 3.3V / ±0.1V
Housing	polycarbonate / IP65	
Sensor protection metal grid filter		
Electromagnetic compatibility	EN61326-1 EN61326-2-3	
	Industrial Environment	
Temperature ranges	working temperature: -40...80°C (-40...176°F)	

DIMENSIONS (mm)
EE08 with cable (Type E)

CONNECTION DIAGRAM

		Temp. Active	Temp.passive, 4-wire
1	T-passive	white (not connected)	white, black
2	T-passive	blue (not connected)	blue, violet
3	GND	pink	pink
4	T-out	grey	grey (not connected)
5	NC		
6	SCL } E2-interface	green	green
7	SDA	brown	brown
8	+UB	red	red