

Temperature sensor

AT 7779

Dimension range G 1/2	PN 36	Temperature range -50 to +400 °C	Material Stainless steel
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Range of application

For measuring the media-temperature in pipe systems.

UBB.32 Sensor for temperature

PT100 signal or continuous output 4-20mA.

Quality assurance

Class A acc.to EN 60751. Transmitter comply with the directive, EMC 2004/107/EG.

Material specification

1	Thermowell	Stainless acid-proof steel 1.4571
2	Necktube	Stainless acid-proof steel 1.4571
3	Terminal box	Aluminum (standard)

Measurement

A*	100 (standard)
B*	ca 60
C	85
D	50
E	G 1/2"

Measurement in mm, *Specified when ordering.

Function and design

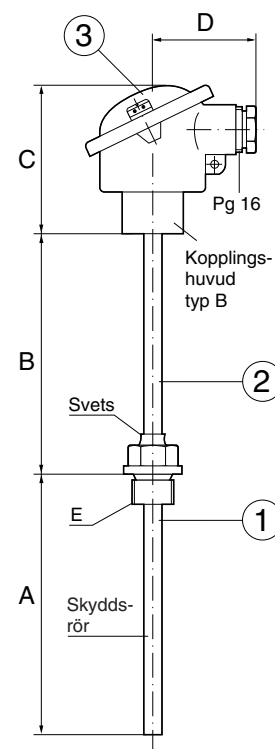
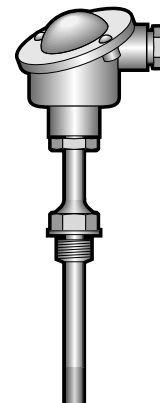
The temperature sensors detect the media temperature with a PT 100 element. Temperature changes result in different resistance values. Alternatively, the unit may be equipped with a temperature transmitter for output 4-20mA.

Technical information

PT100 sensor	
Measuring range	-50 °C to +400 °C
Accuracy, PT100 sensor	Class A acc.to EN 60751
Connection	3-wire
Protection class	IP54
Thermowell	Acc.to DIN 43762
Power Supply	Cable entry

Transmitter (option)	
Supply voltage	24VDC
Connection	2-wire
Output signal*	4-20mA, invertable
Response-time*	1s
Accuracy (RTD)	≤ ±0,3 °C

*Wanted inverted signal or other response time, specify this when ordering.



Accessories and options

As an option, the temperature sensor can be ordered with output 4-20mA. Measurement area is stated when ordering. Desired software for transmitter programming "Loop Link 5905" can be ordered separately.

Other connection, ATEX rated or two or four wire on request.

Installation

See the related connection diagram.

How to order

AT 7779-160T	-160	T
Fig. no	Insertion length	Transmitter

