

# Temperature sensor

AT 7779

<b>Dimension range</b> G 1/2	<b>PN</b> 36	<b>Temperature range</b> -50 to +400 °C	<b>Material</b> 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

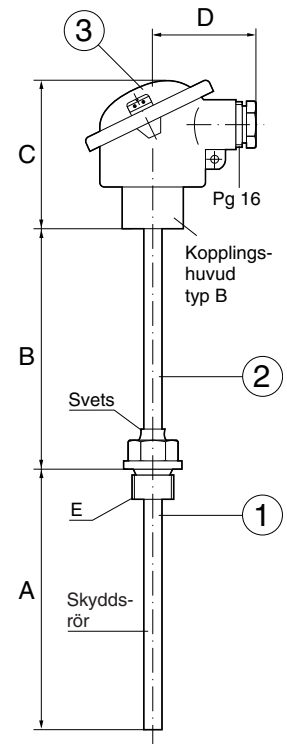
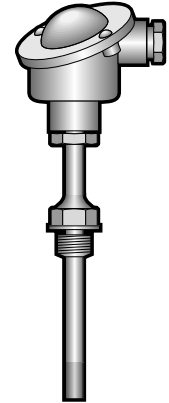
The temperature sensors detect the media temperature with a PT 100 element. Temperature changes result in different resistance values. Alternatively, the unit may be equipped with a temperature transmitter for output 4-20mA.

## 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

