Temperature sensor

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

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/ FG

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	
С	85	
D	50	
E	G 1/2"	
Measurement in mm. *Specified when ordering		

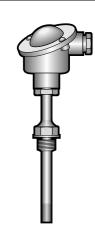
Function and design

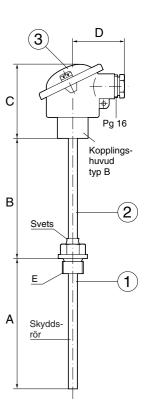
The temperature sensors detect the media temperature with a PT 100 element. Temperature changes result in different resistance values. Alternatively, the unit may be equipped with a temperature transmitter for output 4-20mA.

Technical information

PT100 sensor				
Measurng 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	Т
Fig. no	Insertion length	Transmitter

