

Temperature sensor

for energy gauging

AT 7276,7279

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Temperature sensor

for energy gauging

AT 7276,7279

Art. No. .
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Description
Energy class
Product category
Montage
Media
Material
Dimension (mm)
Flow (l/min)
Pressure (bar)
Temperature (°C)
Connection type
Connection dimension
Output signal
Communication
Accuracy
Extras
Fits with article
Workshop order

Temperature sensor pair, PT 500, insertion

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Temperature sensor

for energy gauging

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Temperature sensor

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Art. No. .
RSK
Description
Energy class
Product category
Material
Medium
Dimension (mm)
Flow (l/min)
Pressure (bar)
Temperature (°C)
Connection type
Connection dimension
Output signal
Communication
Accuracy
Extras
Fits with article
Workshop order

Thermowell,
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Accessories

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Temperature sensor

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Art. No. .
RSK
Description
Energy class
Product category
Material
Material
Dimension (mm)
Flow (l/min)
Pressure (bar)
Temperature (°C)
Connection type
Connection dimension
Output signal
Communication
Accuracy
Extras
Fits with article
Workshop order

Thermowell,
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Temperature sensor

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Art · No ·
RSK
Description
Energy class
Product category
Material
Medium
Material (mm)
Dimension (mm)
Flow (l/min)
Pressure (bar)
Temperature (°C)
Connection type
Connection dimension
Output signal
Communication
Accuracy
Extras
Fits with article
Workshop order

Thermowell,
G
1
/
2
ext,
insertion

Accessories

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2 5
7 1 1
9 8 0
- 2 0
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- 0 9 m
0 6 m

Temperature sensor

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AT 7276,7279

Art. No.	RSK	Description	Energy class	Product category	Montage	Media	Material	Dimension (mm)	Flow (l/min)	PN	Pressure (bar)	Temperature (°C)	Connection type	Output signal	Accuracy	Fit with article	Keywords	Workshop order
7257	11	Thermowell	1/2															
9820	10	ext. insertion length																
597	0																	

Temperature sensor

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AT 7276,7279

Dimension range	PN	Temperature range	Material
G 1/2	16	0 – 180 °C	Stainless steel, Brass

Range of application

To measure the temperature of the flow pipes with energy meter equipment. Temperature sensors are delivered in pairs.

Quality assurance

Certificated acc. to PTB with a No. 22.30/85.04 approval for mounting in thermowells or directly in the sleeve. Collected for calibration certificates acc. to the heating association's requirements.

Details

1	Resistor element	Platinum Pt 500
2	Protection sleeve	Stainless steel
3	Gland	brass
4	Connection cable	silicone
5	Thermowell	Stainless steel, nickel-plated brass or brass

Dimensions and weight

Fig No	AT 7276-150PT500	AT 7276-100PT500	AT 7276-45PT500	AT 7279-85	AT 7279-120	AT 7279-155
	AT 7279-150	AT 7279-100	AT 7279-45	AT 7279-85	AT 7279-120	AT 7279-155
A	150	100	45	85	120	155
B	150	100	45			
C	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
D	6	6	5,2	5,2	5,2	5,2
E	G 1/4	G 1/4	-	-	-	-

Dimensions in mm

Function and design

The temperature sensors are in Pt 500 performance, i.e. resistance 500 Ohm at 0°C. Different temperatures gives different resistance figures. Pt 500 has a higher resolution on the temperature and a lower energy consumption than, for example, the Pt 100 sensor at e.g. battery operation for connected measuring equipment.

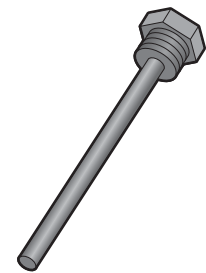
The temperature sensors are also approved for use without thermowells. The sensors are delivered in pairs, with 2 m 2*0,35 mm² shielded cable. The screen is intended to protect against the over inductance from the outside.

Technical information

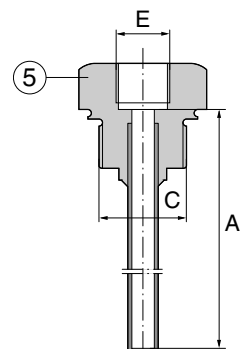
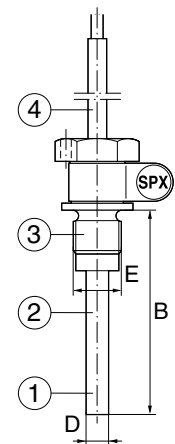
Sensor type:	Pt 500 acc. to DIN 43760
Temperature range:	0-180 °C



AT 7276



AT 7279



Temperature sensor

for energy gauging

AT 7276,7279

Temperature sensors

AT 7276-150PT500	Temperature sensor Pt500, insertion length 150 mm, screwed.
AT 7276-100PT500	Temperature sensor Pt500, insertion length 100 mm, screwed.
AT 7276-45PT500	Temperature sensor Pt500, insertion length 45 mm.

In case you wish, and if each integrator is prepared for 4-wire connection, there is a special coupling box AT7277S as well as a temperature sensor with a coupling head.

Thermowell

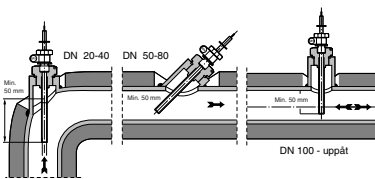
Dykrör

AT 7279-45	Thermowell of brass, G 1/2 utv., plug 45 mm
AT 7279-85	Thermowell of brass, G 1/2 utv., plug 85 mm
AT 7279-120	Thermowell of Stainless steel, G 1/2 utv., plug 120 mm.
AT 7279-155	Thermowell of Stainless steel, G 1/2 utv., plug 155 mm. for AT 7500F
AT 7279-100	Thermowell of Stainless steel, G 1/2 utv., plug 100 mm.
AT 7279-150	Thermowell of Stainless steel, G 1/2 utv., plug 150 mm.

Installing

The temperature sensors are mounted with thermowells in flow pipes acc. to illustration.

When extending the cables use multilayer signal cable 2*0.75 mm² (proposedly LiYCY). It is important that the total length of the two cables is equal. However, you should not extend more than one to one acc. to below:



Cable area mm ²	Max. Cable area m
0,22	2,5
0,50	5,0
0,75	7,5
1,50	15,0

Marking

The sensor cables are marked with red and blue marking for mounting on the flow pipes. The product information is saying the name of the manufacturer, temperature range, PTB approval number, type of sensor and production number.

How to order

Example: AT 7276-45PT500		
AT 7276	-45	PT500
Fig. nr. Quantity given in pairs	Insertion length mm. -27 -45 -45 -85	Option Pt 500-sensor
AT 7279=Thermowell		

Rätten till ändringar utan förbehåll. Armatec ansvarar inte för eventuella tryckfel eller misstänkta dokument. Dokumentet får kopieras endast i sin helhet.