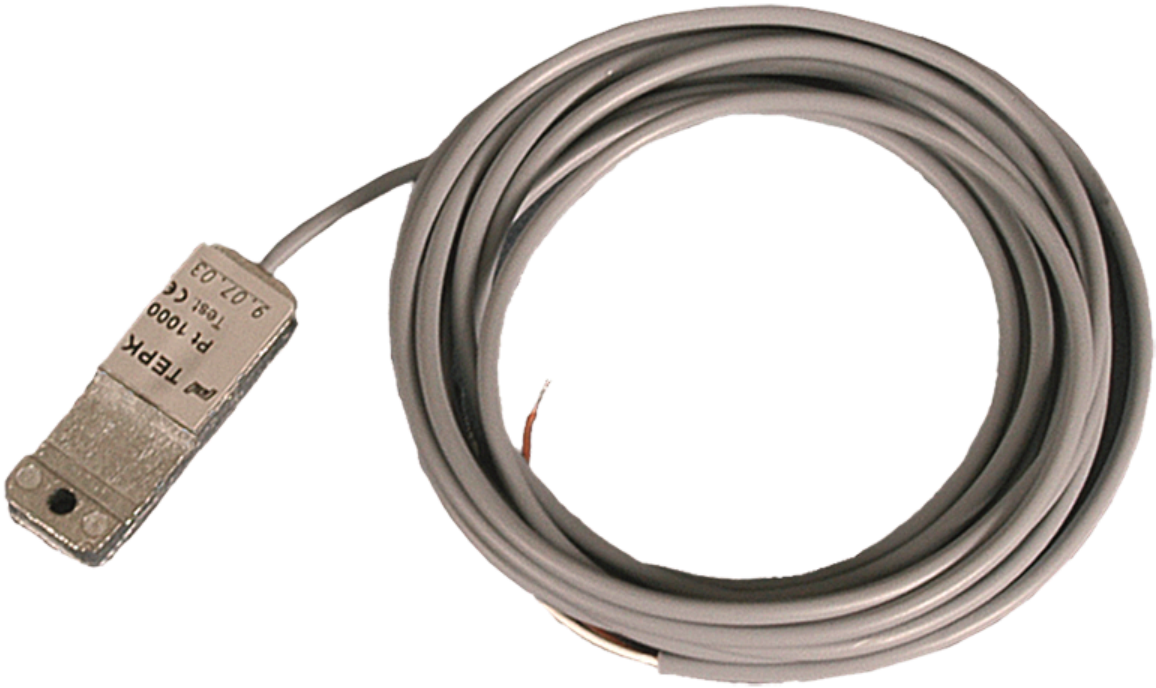
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DATA SHEET

TEPK

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STRAP-ON TEMPERATURE SENSOR TEPK NI 1000

TEPK NI 1000 temperature sensor is designed for pipe strap-on installations in heating and cooling applications.

Temperature is detected by a Ni sensor element with a nominal resistance of 1 kΩ at 0 °C.

There is used a heat conducting tape to ensure a good contact between the sensor and pipe. Sensor is mounted on the pipe by using a cable tie.



Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	**1760**	25	**1141**
100	**1618**	20	**1112**
90	**1549**	15	**1084**
80	**1483**	10	**1056**
75	**1450**	5	**1028**
70	**1417**	0	**1000**
65	**1385**	-5	**973**
60	**1353**	-10	**946**
55	**1322**	-15	**919**
50	**1291**	-20	**893**
45	**1260**	-25	**867**
40	**1230**	-30	**842**
35	**1200**	-40	**791**
30	**1171**	-50	**743**

Technical data:

Sensor	Ni 1000 element, 1 kΩ at 0 °C
Pipe diameter	∅ 10…100 mm
time constant	about 5 s
Cable	2 m, LIYY 2 x 0,14 (PVC)
Range	-20…+80 °C
Accuracy	±0.4 °C (at 0 °C)

Ordering guide:

Model	Product number	Description
TEPK NI 1000	117C240	temperature sensor 1 kΩ at 0 °C

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

Information is subject to change without prior notice.