

## TEMPERATURE SENSOR TEP PT 100

TEP PT100 temperature sensor is designed for automatic HVAC systems to detect radiator temperatures.

Temperature is detected by a Pt100 element with a nominal resistance of 100  $\Omega/0$  °C.

Housing is made of heat-resistant plastic. The screw cover and terminal blocks tilted to 45° make an easy installation.

Sensor is mounted on the pipe by means of an adjustable tie.



### Technical data:

Sensor	Pt100 EN 60751/B
Pipe	32...80 mm
Housing	plastic (< 120 °C)
Protection class	IP 54, cable entry down
Cable entry	M16
Range	-50...120 °C
Accuracy	± 0.3 °C (at 0 °C)

### Temperature / resistance -table:

°C	PT 100 / $\Omega$	°C	PT 100 / $\Omega$
120	146.06	25	109.73
100	138.50	20	107.79
90	134.70	15	105.85
80	130.89	10	103.90
75	128.98	5	101.95
70	127.07	0	100.00
65	125.16	-5	98.04
60	123.24	-10	96.09
55	121.32	-15	94.12
50	119.40	-20	92.16
45	117.47	-25	90.19
40	115.54	-30	88.22
35	113.61	-40	84.27
30	111.67	-50	80.31

### Ordering guide:

Model	Product number	Description
TEP PT 100	1173080	strap-on temperature sensor; 100 ohm / 0 °C

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

### Produal Oy

Keltakalliontie 18  
48770 Kotka  
FINLAND  
[www.produal.fi](http://www.produal.fi)

Tel: +358-5-230 9200  
Fax: +358-5-230 9210  
[info@produal.fi](mailto:info@produal.fi)