

TEMPERATURE SENSOR TEPK PT1000

TEPK PT1000 temperature sensor is designed for automatic HVAC systems to detect radiator temperatures.

Temperature is detected by a Pt1000 element with a nominal resistance of 1000 $\Omega/0^\circ\text{C}$.

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



Technical data:

Sensor	Pt1000 EN 60751/B
Pipe	$\varnothing$ 10...90 mm
Prot. class	IP 54
Cable	2 m LIYY 2 x 0,14
Range	-20...+80 $^\circ\text{C}$
Accuracy	$\pm 0.3^\circ\text{C}$ (at 0 $^\circ\text{C}$)

Temperature/Resistance:

$^\circ\text{C}$	Pt1000 / Ω	$^\circ\text{C}$	Pt1000 / Ω
120	1460.6	25	1097.3
100	1385.0	20	1077.9
90	1347.0	15	1058.5
80	1308.9	10	1039.0
75	1289.8	5	1019.5
70	1270.7	0	1000.0
65	1251.6	-5	980.4
60	1232.4	-10	960.9
55	1213.2	-15	941.2
50	1194.0	-20	921.6
45	1174.7	-25	901.9
40	1155.4	-30	882.2
35	1136.1	-40	842.7
30	1116.7	-50	803.1

Ordering guide:

Model	Product number	Description
TEPK PT 1000	1174240	strap-on temperature sensor 1000 ohm / 0 $^\circ\text{C}$