

FROST GUARD SENSOR TEKV PT1000

TEKV PT1000 temperature sensor is made for automatic HVAC systems to detect heating coil temperatures (= return water).

Temperature is detected by a Pt1000 element with a nominal resistance of 1000 $\Omega/0$ °C.

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

Sensor is installed to the pipe by means of an adjustable joint with R1/4" thread. Mounting depth is adjustable up to ...200 mm.



Technical data:

Sensor	PT 1000 EN60751B
Mounting	R 1/4" threads
Stem	4 mm x 200 mm
Cable entry	M16
Range	-50...120 °C
Accuracy	± 0.3 °C (at 0 °C)
Time constant	about 2.5 s
Pressure rating	PN 16

Temperature/Resistance:

°C	PT 1000 Ω	°C	PT 1000 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
TEKV PT1000	1174120	frost guard sensor 1000 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).

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