

DUCT TEMPERATURE SENSOR TEK PT 1000

TEK PT 1000 temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by a Pt1000 sensor element with a nominal resistance of 1000 Ω /0 °C.

The screw cover and the terminal blocks tilted to 45° make an easy installation.

Housing is made of heat resistant plastic.

Sensor is mounted to the duct by means of an adjustable duct connection flange for optimal temperature detection.

Installation depth can be adjusted between ca 100...220 mm.



Technical data:

Sensor	Pt1000 EN 60751/B
Stem	Ø 8 mm x 220 mm
Duct connection	flange
Housing	plastic (< 120 °C)
Prot. class	IP 54,
Cable entry	cable entry or stem down
Range	M16
Accuracy	-50...70 °C
	± 0.3 °C (at 0 °C)

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
TEK PT 1000	1174040	duct temperature 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).