

AVERAGE TEMPERATURE SENSOR TEKA PT1000

TEKA PT1000 sensor is made for detecting and averaging temperature in a large air duct.

Temperature is detected by four Pt1000 elements. Thanks to the special mechanical construction the sensor is able to detect temperature throughout its entire length.

Housing is made of heat resistant plastics.

Screw cover and terminal blocks tilted to 45° make an easy installation.

Sensor is mounted to the duct by means of an adjustable flange and springs.



Technical data:

Sensors	4 x Pt1000 EN 60751/B
Mounting	Ø 10 mm hole and flange, 3 springs
Housing	plastics (< 120 °C)
Prot. class	IP 54, cable entry down
Cable entry	M16
Range	-50...70 °C
Accuracy	± 0.3 °C (at 0 °C)
Meas. element	3 m
Accessories (included)	3 pcs mounting springs

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
TEKA PT 1000	1174130	averaging temperature sensor, 3m, 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).