

AVERAGE TEMPERATURE SENSOR TEKA PT 100

TEKA PT100 sensor is made for detecting and averaging temperature in a large air duct.

Temperature is detected by four Pt100 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:

Sensor	4 x Pt100 EN 60751/B
Mounting	Ø 10 mm hole and flange, 3 springs
Housing	plastics (< 120 °C)
Protection class	IP 54, cable entry down
Cable entry	M16
Range	-50...70 °C
Accuracy	± 0,3 °C (at 0 °C)
Measuring element	3 m
Accessories (included)	3 pcs mounting springs

Temperature / resistance -table:

°C	PT 100 / Ω	°C	PT 100 / Ω
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
TEKA PT 100	1173130	averaging sensor; 3m 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).

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