

DUCT TEMPERATURE SENSOR TEK PT 100

TEK PT 100 temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by a Pt100 sensor element with a nominal resistance of 100 $\Omega/0$ °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	Pt 100 EN 60751/B
Stem	Ø 8 mm x 220 mm
Duct connection	flange, hole distance 50mm
Housing	plastic (< 120 °C)
Protection class	IP 54, cable entry or stem down
Cable entry	M 16
Range	-50...70 °C
Accuracy	± 0.3 °C (at 0 °C)

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
TEK PT 100	1173040	duct sensor; 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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