

AVERAGING TEMPERATURE SENSOR TEKA PT100-500

TEKA PT100-500 sensor is made for detecting the 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.



Technical data:

Sensors	4 x Pt 100 EN 60751/B
Stem	Ø 8 mm x 500 mm
Duct mounting	adjustable flange
Housing	plastic (< 120 °C)
Prot. class	IP 54, cable entry or stem down
Cable entry	M16
Range	-50...70 °C
Accuracy	± 0.3 °C (at 0 °C)

Temperature/Resistance:

°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 100-500	1173170	averaging temperature sensor, 500mm 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).

Produal Oy

Keltakalliontie 18
48770 Kotka
FINLAND
www.produal.fi

Puh: +358-5-230 9200
Fax: +358-5-230 9210
info@produal.fi