

AVERAGING TEMPERATURE SENSOR TEKA NTC10-500

TEKA NTC10-500 sensor is made for detecting the averaging temperature in a large air duct.

Temperature is detected by four NTC10 thermistors. 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 10 k Ω NTC thermistor
Stem	\varnothing 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	\pm 0.2 °C (at 25 °C)

Temperature/Resistance:

°C	NTC 10 / Ω	°C	NTC 10 / Ω
120	389.0	25	10000.0
100	680.0	20	12490.0
90	917.7	15	15710.0
80	1258.0	10	19900.0
75	1480.0	5	25400.0
70	1752.0	0	32650.0
65	2082.0	-5	42340.0
60	2488.0	-10	55330.0
55	2968.0	-15	72980.0
50	3603.0	-20	97070.0
45	4368.0	-25	130400.0
40	5327.0	-30	177000.0
35	6532.0	-40	336500.0
30	8057.0	-50	670100.0

Ordering guide:

Model	Product number	Description
TEKA NTC10-500	1175170	averaging temperature sensor 500 mm 10 kohm / 25 °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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