

AVERAGE TEMPERATURE SENSOR TEKA NTC 1.8

TEKA NTC 1.8 sensor is designed for detecting average temperatures in a large air duct.

Temperature is detected by four NTC 1.8 sensor elements with a nominal resistance of 1.8 k Ω at 25 °C. Thanks to the special mechanical construction, the sensor is able to detect temperature throughout its entire length.

Housing is made of heat-resistant plastic. The cover and the terminal blocks are tilted 45° to provide easy installation.

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

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	110	25	1800
100	178	20	2177
90	230	15	2649
80	303	10	3241
75	349	5	3989
70	403	0	4940
65	468	-5	6159
60	545	-10	7730
55	638	-15	9771
50	750	-20	12 443
45	885	-25	15 969
40	1049	-30	20 659
35	1250	-40	35 480
30	1496	-50	63 229



Technical data:

sensors	4 x NTC 1.8, 1.8 k Ω at 25 °C
mounting	\varnothing 10 mm hole and flange, 3 springs
housing	plastic (< 120 °C)
protection class	IP54, cable entry down
cable entry	M16
range	-50...+70 °C
accuracy	\pm 0.3 °C (25 °C)
meas. element	3 m
accessories (included)	3 pcs mounting springs
materials	PBT, PC, PA, stainless steel

Ordering guide:

Model	Product number	Description
TEKA NTC 1.8	117E130	average temperature sensor, 3 m 1.8 k Ω at 25 °C

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).