

AVERAGING TEMPERATURE SENSOR TEKA NTC 1.8-500

TEKA NTC 1.8-500 sensor is made for detecting the averaging temperature in a large air duct.

Temperature is detected by four NTC 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.

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:

sensor	4 x 1.8 kΩ NTC element
sleeve	∅ 8 mm x 500 mm
duct mounting	adjustable flange
housing	plastic (< 120 °C)
prot. class	IP54, cable entry or stem down
cable gland	M16
range	-50...+70 °C
accuracy	±0.3 °C (at 25 °C)

Ordering guide:

Model	Product number	Description
TEKA NTC 1.8-500	117E170	averaging temperature sensor, 500mm 1.8 kΩ at 25 °C

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