PRODUAL
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AVERAGE TEMPERATURE SENSOR TEKA NTC 10-AN

TEKA NTC 10-AN sensor is designed for detecting average temperatures in a large air duct.

Temperature is detected by four NTC 10-AN sensor elements with a nominal resistance of 10 kΩ 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	**483**	25	**10 000**
100	**817**	20	**12 268**
90	**1084**	15	**15 136**
80	**1458**	10	**18 787**
75	**1700**	5	**23 462**
70	**1990**	0	**29 490**
65	**2339**	-5	**37 316**
60	**2760**	-10	**47 549**
55	**3271**	-15	**61 030**
50	**3893**	-20	**78 930**
45	**4656**	-25	**102 890**
40	**5594**	-30	**135 233**
35	**6754**	-40	**239 831**
30	**8197**	-50	**441 667**

Technical data:

sensors	4 x NTC 10-AN, 10 kΩ at 25 °C
mounting	∅ 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	±0.25 °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 10-AN	117H130	average temperature sensor, 3 m 10 kΩ 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).

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