PRODUAL
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AVERAGE TEMPERATURE SENSOR TEKA NTC 10-KB

TEKA NTC10-KB sensor is designed for detecting average temperatures in a large air duct.

Temperature is detected by four NTC sensor elements with a nominal resistance of 5025 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	**467**	25	**5025**
100	**723**	20	**5573**
90	**923**	15	**6126**
80	**1194**	10	**6667**
75	**1364**	5	**7183**
70	**1562**	0	**7661**
65	**1791**	-5	**8093**
60	**2056**	-10	**8472**
55	**2358**	-15	**8796**
50	**2702**	-20	**9067**
45	**3088**	-25	**9288**
40	**3517**	-30	**9466**
35	**3987**	-40	**9712**
30	**4492**	-50	**9854**

Technical data:

sensors	4 x NTC 10-KB element
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	±0.5 °C (25 °C)
meas. element	3 m
accessories (included)	3 pcs mounting springs

Ordering guide:

Model	Product number	Description
TEKA NTC 10-KB	117B130	average temperature sensor, 3 m 5025 Ω / 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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