

## AVERAGING TEMPERATURE SENSOR TEKA NTC 10-AN-500

TEKA NTC 10-AN-500 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 k $\Omega$  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.

### Sensor resistance at different temperatures:

°C	$\Omega$	°C	$\Omega$
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:

sensor	4 x 10 k $\Omega$ NTC-AN element
sleeve	$\varnothing$ 8 mm x 500 mm
duct mounting	adjustable flange
housing	plastic (< 120 °C)
protection class	IP54, cable entry or stem down
cable gland	M16
range	-50...+70 °C
accuracy	$\pm$ 0.25 °C (at 25 °C)

### Ordering guide:

Model	Product number	Description
TEKA NTC 10-AN-500	117H170	averaging temperature sensor, 500 mm 10 k $\Omega$ 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).