

DUCT TEMPERATURE SENSOR TEK NTC 10-AN

TEK NTC 10-AN temperature sensor is designed for automatic ventilating systems to detect duct temperatures.

Temperature is detected by a NTC sensor element with a nominal resistance of 10 k Ω at 25 °C.

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 duct connection flange.

Installation depth can be adjusted approximately from 100 to 200 mm.

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:

sensor	NTC 10-AN, 10 k Ω at 25 °C
stem	Ø 8 mm x 220 mm
duct connection	flange
housing	plastic (< 120 °C)
protection class	IP54, cable entry or stem down
cable entry	M16
range	-20...+70 °C
accuracy	±0.25 °C (at 25 °C)

Ordering guide:

Model	Product number	Description
TEK NTC 10-AN	117H040	temperature sensor 10 k 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).