PRODUAL

measure-be sure.

DUCT TEMPERATURE SENSOR TEK NTC 1.8

TEK NTC 1.8 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 1.8 kΩ 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	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	NTC 1.8, 1.8 kΩ at 25 °C
stem	∅ 8 mm x 220 mm
duct connection	flange
housing	plastic (< 120 °C)
protection class	IP54, cable entry or stem down
cable entry	M16
range	-50…+70 °C
accuracy	±0.3 °C (at 25 °C)
materials	PBT, PC, PA, stainless steel

Ordering guide:

Model	Product number	Description
TEK NTC 1.8	117E040	temperature sensor 1.8 kΩ / 25 °C