

DUCT TEMPERATURE SENSOR TEKHA NTC 10-C

TEKHA NTC 10-C temperature sensor is designed for automatic ventilating systems to detect duct temperature.

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

Sensor is mounted to the duct by means of an adjustable duct connection flange for optimal temperature detection. Installation depth is adjustable up to 100 mm.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	597	25	10 000
100	973	20	12 090
90	1266	15	14 690
80	1668	10	17 960
75	1924	5	22 050
70	2228	0	27 280
65	2588	-5	33 900
60	3020	-10	42 470
55	3536	-15	53 410
50	4160	-20	67 770
45	4911	-25	86 430
40	5827	-30	111 300
35	6940	-40	-
30	8313	-50	-



Technical data:

sensor	NTC 10-C element, 10 k Ω at 25 °C
stem	\varnothing 6 mm x 100 mm, acid proof steel
duct connection	flange
prot. class	IP54
cable	PVC 2 m (LIYY 2 x 0,14)
range	-50...+70 °C
accuracy	\pm 0.25 °C (at 25 °C)

Ordering guide:

Model	Product number	Description
TEKHA NTC 10-C	117M290	duct temperature sensor 10 k Ω / 0 °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).