

DUCT TEMPERATURE SENSOR TEKHA KP 10

TEKHA KP 10 temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by a KP sensor element with a nominal voltage of 2.73 V at 0 °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 voltage at different temperatures:

°C	V	°C	V
120	3.93	25	2.98
100	3.73	20	2.93
90	3.63	15	2.88
80	3.53	10	2.83
75	3.48	5	2.78
70	3.43	0	2.73
65	3.38	-5	2.68
60	3.33	-10	2.63
55	3.28	-15	2.58
50	3.23	-20	2.53
45	3.18	-25	2.48
40	3.13	-30	2.43
35	3.08	-40	2.33
30	3.03	-50	2.23



Technical data:

sensor	LM335Z element, 10 mV/K
stem	∅ 6 mm x 100 mm, acid proof steel
duct connection	flange
protection class	IP54
cable	PVC 2 m (LIYY 2 x 0,14)
range	-50...70 °C
accuracy	±0.5 °C (at 0 °C)

Ordering guide:

Model	Product number	Description
TEKHA KP 10	117J290	duct temperature sensor 2.73 V at 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).