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DATA SHEET

TEKHA

Produal

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TEKHA KP 10 - Duct temperature sensor



TEKHA KP 10 temperature sensor is designed for measuring temperatures inside small ventilation ducts.

Temperature is detected by a KP 10 element with a nominal voltage of 2,98 V at 25 °C.

Sensor element is inserted in a sleeve of stainless steel. Rolled sleeve gives good protection against water and dust (IP67).

Sensor is mounted to the duct by using an adjustable duct flange for optimal temperature detection. The mounting depth is adjustable up to 90 mm.

Technical specifications

Property	Value
Sensor	LM335Z element
Accuracy	±0,5 °C (at 25 °C)
Range	-50...70 °C
Cable	LIYY 2 x 0,5 mm^2, Ø 4,7 mm x 2 m
Probe	
Dimensions	∅ 6 mm x 115 mm
Material	Stainless steel
Protection class	IP67
Mounting	By an adjustable flange

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Sensor voltage at different temperatures

°C	V
-50	-
-45	-
-40	2,33
-35	2,38
-30	2,43
-25	2,48
-20	2,53
-15	2,58
-10	2,63
-5	2,68
0	2,73

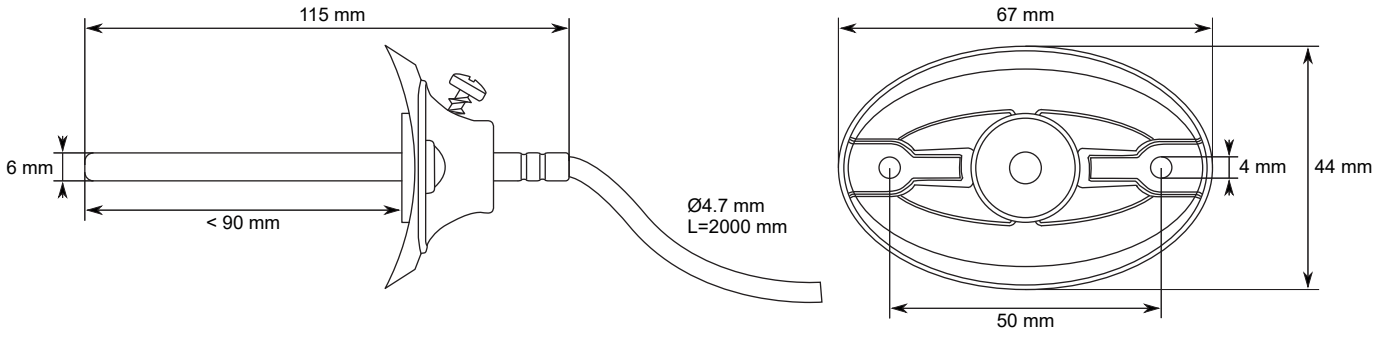
°C	V
5	2,78
10	2,83
15	2,88
20	2,93
25	2,98
30	3,03
35	3,08
40	3,13
45	3,18
50	3,23
55	3,28

°C	V
60	3,33
65	3,38
70	3,43
75	3,48
80	3,53
85	3,58
90	3,63
95	3,68
100	3,73
110	-
120	-

Ordering information

Type	Product number	Description
TEKHA KP 10	117J290	duct temperature sensor 2,98 V at 25 °C

Dimensions



Supported standards and directives

Standard	Description
2014/30/EU	Electromagnetic Compatibility (EMC).
2011/65/EU	Restriction of Hazardous Substances (RoHS2) Directive.
(EU) 2015/863	Commission Delegated Directive, amending Annex II to Directive 2011/65/EU.
EN 61000-6-3:2007/ A1:2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments.
EN 61000-6-2:2006	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments.

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