

CABLE TEMPERATURE SENSOR TEKY6 KP 10

TEKY6 KP 10 temperature sensor is designed for automatic HVAC systems.

Temperature is detected by a semiconductor element with a nominal voltage of 2.73 V (at 0 °C).

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

Sensor voltage at different temperatures

°C	V	°C	V
120	-	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	-



Technical data:

sensor	LM335Z element
sleeve	∅ 6 mm x 45 mm, stainless steel
cable	∅ 5 mm x 2.3 m, PVC
range	-30...+80 °C
accuracy	10 mV / K
protection class	IP67

Ordering guide:

Model	Product number	Description
TEKY6 KP 10	117J320	flying lead sensor, LM335Z element

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-2001: 6 (Emission) and EN61000-3-2001: 2 (Immunity).