

CABLE TEMPERATURE SENSOR TEKY6 PT 100

TEKY6 PT 100 temperature sensor is designed for automatic HVAC systems.

Temperature is detected by a Pt100 element with a nominal resistance of 100 Ω (at 0 °C).

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

There is also available TEKY6S sensor with a silicone cable for harsh conditions.

Sensor resistance at different temperatures

°C	Ω	°C	Ω
120	146.06	25	109.73
100	138.50	20	107.79
90	134.70	15	105.85
80	130.89	10	103.90
75	128.98	5	101.95
70	127.07	0	100.00
65	125.16	-5	98.04
60	123.24	-10	96.09
55	121.32	-15	94.12
50	119.40	-20	92.16
45	117.47	-25	90.19
40	115.54	-30	88.22
35	113.61	-40	84.27
30	111.67	-50	80.31



Technical data:

sensor	Pt100 EN60751/B element
sleeve	\varnothing 6 mm x 45 mm, stainless steel
cable	
	TEKY6 \varnothing 5 mm x 2.3 m, PVC
	TEKY6S \varnothing 5 mm x 2.3 m, silicone
range	
	TEKY6 -30...+80 °C
	TEKY6S -50...+150 °C
accuracy	\pm 0.3 °C (at 0 °C)
protection class	IP67

Ordering guide:

Model	Product number	Description
TEKY6 PT 100	1173320	flying lead sensor, 100 Ω Pt100 element
TEKY6S PT 100	1173340	flying lead sensor, 100 Ω Pt100 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).