

CABLE TEMPERATURE SENSOR TEKY6 NTC 10-C

TEKY6 NTC 10-C temperature sensor is designed for automatic HVAC systems.

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

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

Silicone cable version TEKY6S is available for more demanding conditions.

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	10 k Ω NTC 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	-30...+150 °C
accuracy	\pm 0.25 °C (at 25 °C)
cable gland	IP67

Ordering guide:

Model	Product number	Description
TEKY6 NTC 10-C	117M320	IP67 flying lead sensor, 10 k Ω NTC element
TEKY6S NTC 10-C	117M340	IP67 flying lead sensor, 10 k Ω NTC 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).