

STRAP-ON TEMPERATURE SENSOR TEPK NTC 10-C

TEPK NTC 10-C temperature sensor is designed for pipe strap-on installations in heating and cooling applications.

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

There is used a heat conducting tape to ensure the good contact between the sensor and pipe. Sensor is mounted on the pipe by using a cable tie.

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	NTC 10-C, 10 k Ω at 25 °C
Pipe diameter	Ø 10...100 mm
Protection class	IP54
Cable	2 m, LIYY 2 x 0,14 (PVC)
Range	-20...+80 °C
Accuracy	±0.25 °C (at 25 °C)

Ordering guide:

Model	Product number	Description
TEPK NTC 10-C	117M240	temperature sensor 10 k Ω / 25 °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).