

STRAP-ON TEMPERATURE SENSOR TEPK NTC 1.8

TEPK NTC 1.8 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 1.8 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	110	25	1800
100	178	20	2177
90	230	15	2649
80	303	10	3241
75	349	5	3989
70	403	0	4940
65	468	-5	6159
60	545	-10	7730
55	638	-15	9771
50	750	-20	12 443
45	885	-25	15 969
40	1049	-30	20 659
35	1250	-40	35 480
30	1496	-50	63 229



Technical data:

Sensor	NTC 1.8, 1.8 k Ω at 25 °C
Pipe diameter	10...100 mm
Protection class	IP54
Cable	2 m, LIYY 2 x 0,14 (PVC)
Range	-20...+80 °C
Accuracy	\pm 0.3 °C (at 25 °C)

Ordering guide:

Model	Product number	Description
TEPK NTC 1.8	117E240	temperature sensor 1.8 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).