

STRAP-ON TEMPERATURE SENSOR TEPK NTC 2.2

TEPK NTC 2.2 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 2.2 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	90	25	2252
100	153	20	2813
90	207	15	3538
80	283	10	4482
75	334	5	5718
70	395	0	7353
65	469	-5	9533
60	560	-10	12 460
55	673	-15	16 428
50	811	-20	21 860
45	984	-25	29 398
40	1200	-30	39 908
35	1471	-40	75 953
30	1814	-50	151 470



Technical data:

Sensor	NTC 2.2, 2.2 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 2.2	1172240	temperature sensor 2.2 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).