

## STRAP-ON TEMPERATURE SENSOR TEPK NTC 10-AN

TEPK NTC 10-AN 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 $\Omega$  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	$\Omega$	°C	$\Omega$
120	483	25	10 000
100	817	20	12 268
90	1084	15	15 136
80	1458	10	18 787
75	1700	5	23 462
70	1990	0	29 490
65	2339	-5	37 316
60	2760	-10	47 549
55	3271	-15	61 030
50	3893	-20	78 930
45	4656	-25	102 890
40	5594	-30	135 233
35	6754	-40	239 831
30	8197	-50	441 667



### Technical data:

Sensor	NTC 10-AN, 10 k $\Omega$ 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	$\pm$ 0.25 °C (at 25 °C)

### Ordering guide:

Model	Product number	Description
TEPK NTC 10-AN	117H240	temperature sensor 10 k $\Omega$ / 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).