

## STRAP-ON TEMPERATURE SENSOR TEP NTC 1.8

TEP NTC1.8 temperature sensor is designed for automatic HVAC systems to detect radiator temperatures.

Temperature is detected by a NTC sensor element with a nominal resistance of 1.8 k $\Omega$  at 25 °C.

Housing is made of heat-resistant plastic. The screw cover and terminal blocks tilted to 45° make an easy installation. Sensor is mounted on the pipe by means of an adjustable tie.

### Sensor resistance at different temperatures:

°C	$\Omega$	°C	$\Omega$
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 $\Omega$ at 25 °C
housing	plastic (<120 °C)
pipe	40...90 mm
protection class	IP54, stem or cable gland downwards
cable entry	M16
range	-50...+120 °C
accuracy	$\pm$ 0.3 °C (at 25 °C)
time constant	about 5 s
materials	PBT, PC, PA, zink casting

### Ordering guide:

Model	Product number	Description
TEP NTC 1.8	117E080	temperature sensor 1.8 k $\Omega$ at 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).