

STRAP-ON TEMPERATURE SENSOR TEP NI 1000

TEP NI 1000 temperature sensor is designed for automatic HVAC systems to detect radiator temperatures.

Temperature is detected by a Ni sensor element with a nominal resistance of 1 k Ω at 0 °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	Ω	°C	Ω
120	1760	25	1141
100	1618	20	1112
90	1549	15	1084
80	1483	10	1056
75	1450	5	1028
70	1417	0	1000
65	1385	-5	973
60	1353	-10	946
55	1322	-15	919
50	1291	-20	893
45	1260	-25	867
40	1230	-30	842
35	1200	-40	791
30	1171	-50	743



Technical data:

sensor	Ni 1000 element, 1 k Ω at 0 °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	± 0.4 °C (at 0 °C)
time constant	about 5 s
materials	PBT, PC, PA, zink casting

Ordering guide:

Model	Product number	Description
TEP NI 1000	117C080	temperature sensor 1 k Ω at 0 °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).