

STRAP-ON TEMPERATURE SENSOR TEP NTC 10-AN

TEP NTC 10-AN 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 10 k Ω 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	Ω	°C	Ω
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 Ω 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	± 0.25 °C (at 25 °C)
time constant	about 5 s
materials	PBT, PC, PA, zink casting

Ordering guide:

Model	Product number	Description
TEP NTC 10-AN	117H080	temperature sensor 10 k Ω 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).