TEP NI 1000-LG - Strap-on temperature sensor

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

Temperature is detected by an Ni1000-LG element with a nominal resistance of 1000 Ω at 0 °C.

Housing is made of heat-resistant plastic. The cover and the terminal blocks are tilted 45° to provide easy installation.

Sensor is mounted on the pipe by using an adjustable tie.

Technical specifications

Property	Value
Sensor	Ni1000-LG element
Accuracy	±0,4 °C (at 0 °C)
Range	-50...+120 °C
Wiring terminals	0,14...1,5 mm^2 screw terminals, tilted to 45° angle.
Mounting	By an adjustable tie on the pipe.
Adjustable tie	
Pipe dimensions	Ø40...90 mm
Materials	Stainless steel 430 and zinc plated screw.
Probe	
Dimensions	41 x 15 x 6 mm
Material	Zinc casting
Housing	
Material	PC plastic
Cable entry	M16
Protection class	IP54, cable or stem downwards
Dimensions (w x h x d)	70 x 95 x 48 mm

Sensor resistance at different temperatures

°C	Ω
-50	791
-45	811
-40	831
-35	851
-30	872
-25	893
-20	914
-15	935
-10	956
-5	978
0	1000

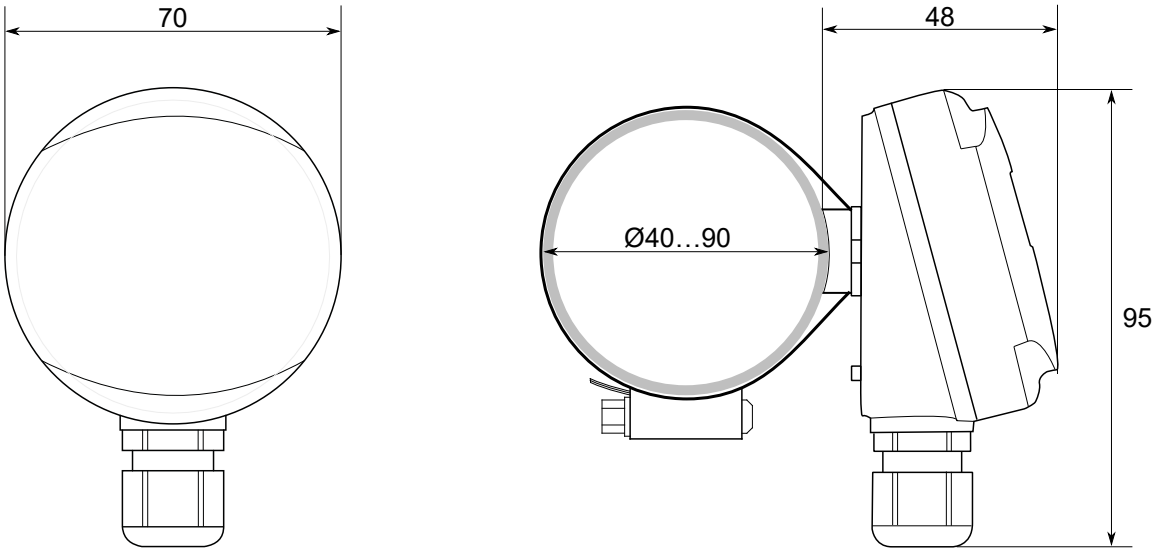
°C	Ω
5	1022
10	1045
15	1068
20	1091
25	1114
30	1138
35	1162
40	1186
45	1210
50	1235
55	1260

°C	Ω
60	1285
65	1311
70	1337
75	1364
80	1390
85	1417
90	1444
95	1472
100	1500
110	1557
120	1615

Ordering information

Type	Product number	Description
TEP NI 1000-LG	1178080	strap-on temperature sensor, 1000 Ω at 0 °C

Dimensions



Supported standards and directives

Standard	Description
2014/30/EU	Electromagnetic Compatibility (EMC).
2011/65/EU	Restriction of Hazardous Substances (RoHS2) Directive.
EN 61000-6-3:2007/ A1:2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments.
EN 61000-6-2:2006	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments.