

ROOM TEMPERATURE SENSOR TEHU NI 1000

TEHU NI 1000 sensor is made for automatic HVAC systems to detect room temperatures.

Temperature is detected by a Ni sensor element with a nominal resistance of 1 k Ω at 0 °C.

Housing of white plastic (ABS) is made for mounting on a standard 60mm junction box. Sensor matches well with other electrical flush mounting products. It can be installed together with products of "Artic"-series.

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, 1 k Ω element
housing	IP20, ABS
range	0...+50 °C
accuracy	±0.4 °C (at 0 °C)
dimension (w x h x d)	86 x 85 x 30 mm

Ordering guide:

Model	Product number	Description
TEHU NI 1000	117C150	temperature sensor 1 k Ω at 0 °C

Products fulfill 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).