

## OUTDOOR TEMPERATURE SENSOR TEU NI 1000

TEU NI 1000 temperature sensor is designed for detecting outdoor temperatures in automatic HVAC systems.

Temperature is detected by a Ni 1000 sensor element with a nominal resistance of 1 k $\Omega$  at 0 °C.

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

Sensor is mounted on the wall by using screws.

### Sensor resistance at different temperatures:

°C	$\Omega$	°C	$\Omega$
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	1 k $\Omega$ Ni element
Measuring range	-50...+50 °C
Accuracy	±0.4 °C (at 0 °C)
Cable gland	M16
Housing	weather-proof plastic
Protection class	IP54, cable gland downwards
Mounting	with $\varnothing$ 4.5 mm screws, hole distance 82 mm

### Ordering guide:

Model	Product number	Description
TEU NI 1000	117C090	outdoor temperature sensor, 1 k $\Omega$ 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).