

INDUSTRIAL TEMPERATURE SENSOR TES NTC 1.8

TES NTC 1.8 temperature sensor is designed for automatic HVAC systems, especially for demanding conditions such as saunas, cold-rooms, freezers and stores.

Temperature is detected by a NTC element with a nominal resistance of 1.8 kΩ at 25 °C.

Housing is made of weather-proof aluminium, IP67 also ensuring a good mechanical protection for the sensor.

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	110	25	1800
100	178	20	2177
90	230	15	2649
80	303	10	3241
75	349	5	3989
70	403	0	4940
65	468	-5	6159
60	545	-10	7730
55	638	-15	9771
50	750	-20	12 443
45	885	-25	15 969
40	1049	-30	20 659
35	1250	-40	35 480
30	1496	-50	63 229



Technical data:

sensor	NTC 1.8, 1.8 kΩ at 25 °C
prot. class	IP67
housing	silium cast
cable entry	PG11
range	-50...+120 °C
accuracy	±0.3°C (25 °C:ssa)
dimensions	100 x 65 x35 mm

Ordering guide:

Model	Product number	Description
TES NTC 1.8	117E100	sauna temperature sensor 1.8 kΩ / 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).