

INDUSTRIAL TEMPERATURE SENSOR TES NTC 2.2

TES NTC 2.2 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 2.2 k Ω 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	90	25	2252
100	153	20	2813
90	207	15	3538
80	283	10	4482
75	334	5	5718
70	395	0	7353
65	469	-5	9533
60	560	-10	12 460
55	673	-15	16 428
50	811	-20	21 860
45	984	-25	29 398
40	1200	-30	39 908
35	1471	-40	75 953
30	1814	-50	151 470



Technical data:

sensor	NTC 2.2, 2.2 k Ω at 25 °C
prot. class	IP67
housing	silium cast
cable entry	PG11
range	-50...+120 °C
accuracy	$\pm 0.25^{\circ}\text{C}$ (at 25 °C)
dimensions	100 x 65 x35 mm

Ordering guide:

Model	Product number	Description
TES NTC 2.2	1172100	industrial temperature sensor 2.2 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).