

INDUSTRIAL TEMPERATURE SENSOR TES NTC 10-KB

TES NTC 10-KB 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 5025 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	467	25	5025
100	723	20	5573
90	923	15	6126
80	1194	10	6667
75	1364	5	7183
70	1562	0	7661
65	1791	-5	8093
60	2056	-10	8472
55	2358	-15	8796
50	2702	-20	9067
45	3088	-25	9288
40	3517	-30	9466
35	3987	-40	9712
30	4492	-50	9854



Technical data:

sensor	NTC 10-KB element
protection class	IP67
housing	silium cast
cable entry	PG11
range	-50...+120 °C
accuracy	±0.5°C (at 25 °C)
dimensions	100 x 65 x35 mm

Ordering guide:

Model	Product number	Description
TES NTC 10-KB	117B100	industrial temperature sensor 5025 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).