

DUCT TEMPERATURE SENSOR TEK NI1000-LG

TEK NI1000-LG temperature sensor is designed for automatic ventilating systems to detect duct temperature.

Temperature is detected by a Ni1000-LG sensor element with a nominal resistance of 1000 $\Omega/0$ °C.

The screw cover and the terminal blocks tilted to 45° make an easy installation.

Housing is made of heat resistant plastic.

Sensor is mounted to the duct by means of an adjustable duct connection flange for optimal temperature detection.

Installation depth can be adjusted between ca 100...220 mm.



Technical data:

Sensor	Ni1000-LG
Stem	Ø 8 mm x 220 mm
Duct connection	flange
Housing	plastic (< 120 °C)
Prot. class	IP 54, cable entry or stem down
Cable entry	M16
Range	-50...70 °C
Accuracy	± 0.5 °C (at 0°C)

Temperature/Resistance:

°C	Ni1000LG/ Ω	°C	Ni1000LG/ Ω
120	1616,4	25	1114,0
100	1500,0	20	1090,7
90	1444,4	15	1067,6
80	1390,1	10	1044,8
75	1363,5	5	1022,3
70	1337,1	0	1000,0
65	1311,1	-5	978,0
60	1285,4	-10	956,2
55	1260,1	-15	934,7
50	1235,0	-20	913,5
45	1210,2	-25	892,5
40	1185,7	-30	871,7
35	1161,5	-40	830,8
30	1137,6	-50	790,9

Ordering guide:

Model	Product number	Description
TEK NI 1000-LG	1178040	duct temperature sensor 1000 ohm / 0 °C

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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