

TEM NI1000-LG TEMPERATURE SENSOR FOR SOIL INSTALLATION

TEM NI1000-LG temperature sensor is designed for automatic HVAC systems for measuring temperatures in traffic tramp and street constructions.

Temperature is detected by a Ni1000-LG element with a nominal resistance of 1000 ohm / 0°C.

Use metal or plastic pipe installed into the construction for mechanical protection. Water inside the protection pipe destroys the sensor.



Technical data:

Sensor	Ni1000-LG
Cable	Ø 6 mm x 5 m, PUR 2x0,75
Temperature range	-30...80 °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
TEM NI1000-LG	1178310	soil 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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