

TEM NTC10 TEMPERATURE SENSOR FOR SOIL INSTALLATION

TEM NTC10 temperature sensor is designed for automatic HVAC systems for measuring temperatures in traffic tramp and street constructions.

Temperature is detected by an NTC10 element with a nominal resistance of 10 kohm / 25 °C.

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



Technical data:

Sensor	10 kohm NTC thermistor
Cable	∅ 6 mm x 5 m, PUR 2x0,75
Temperature range	-30...80 °C
Accuracy	± 0.2 °C (at 25°C)

Temperature/Resistance:

°C	NTC 10 / Ω	°C	NTC 10 / Ω
120	389.0	25	10000.0
100	680.0	20	12490.0
90	917.7	15	15710.0
80	1258.0	10	19900.0
75	1480.0	5	25400.0
70	1752.0	0	32650.0
65	2082.0	-5	42340.0
60	2488.0	-10	55330.0
55	2968.0	-15	72980.0
50	3603.0	-20	97070.0
45	4368.0	-25	130400.0
40	5327.0	-30	177000.0
35	6532.0	-40	336500.0
30	8057.0	-50	670100.0

Ordering guide:

Model	Product number	Description
TEM NTC10	1175310	soil temperature sensor 10 kohm / 25°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).

Produal Oy

Keltakalliontie 18
48770 Kotka
FINLAND
www.produal.com

Tel: +358-5-230 9200
Fax: +358-5-230 9210
info@produal.fi