

## TEM NTC20 TEMPERATURE SENSOR FOR SOIL INSTALLATION

TEM NTC20 temperature sensor is designed for automatic HVAC systems for measuring temperatures in traffic tramp and street constructions.

Temperature is detected by an NTC20 element with a nominal resistance of 20 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	20 kohm NTC thermistor
Cable	Ø 6 mm x 5 m, PUR 2x0,75
Temperature range	-30...80 °C
Accuracy	± 0.2 °C (at 25°C)

### Temperature/Resistance:

°C	NTC 20 / Ω	°C	NTC 20 / Ω
120	609	25	20000
100	1114	20	25350
90	1541	15	32346
80	2166	10	41567
75	2585	5	53812
70	3099	0	70203
65	3732	-5	92322
60	4517	-10	122431
55	5494	-15	163777
50	6718	-20	221088
45	8259	-25	301297
40	10211	-30	414698
35	12698	-40	810861
30	15887	-50	1659082

### Ordering guide:

Model	Product number	Description
TEM NTC20	1176310	soil temperature sensor 20 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](http://www.produal.com)

Tel: +358-5-230 9200  
Fax: +358-5-230 9210  
[info@produal.fi](mailto:info@produal.fi)