

TEM PT100 TEMPERATURE SENSOR FOR SOIL INSTALLATION

TEM PT100 temperature sensor is designed for automatic HVAC systems for measuring temperatures in traffic tramp and street constructions.

Temperature is detected by a Pt100 element with a nominal resistance of 100 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	PT 100 EN60751B
Cable	∅ 6 mm x 5 m, PUR 2x0,75
Temperature range	-30...80 °C
Accuracy	± 0.3 °C (at 0 °C)

Temperature/Resistance:

°C	PT 100 Ω	°C	PT 100 Ω
120	146.06	25	109.73
100	138.50	20	107.79
90	134.70	15	105.85
80	130.89	10	103.90
75	128.98	5	101.95
70	127.07	0	100.00
65	125.16	-5	98.04
60	123.24	-10	96.09
55	121.32	-15	94.12
50	119.40	-20	92.16
45	117.47	-25	90.19
40	115.54	-30	88.22
35	113.61	-40	84.27
30	111.67	-50	80.31

Ordering guide:

Model	Product number	Description
TEM PT 100	1173310	soil temperature sensor 100 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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