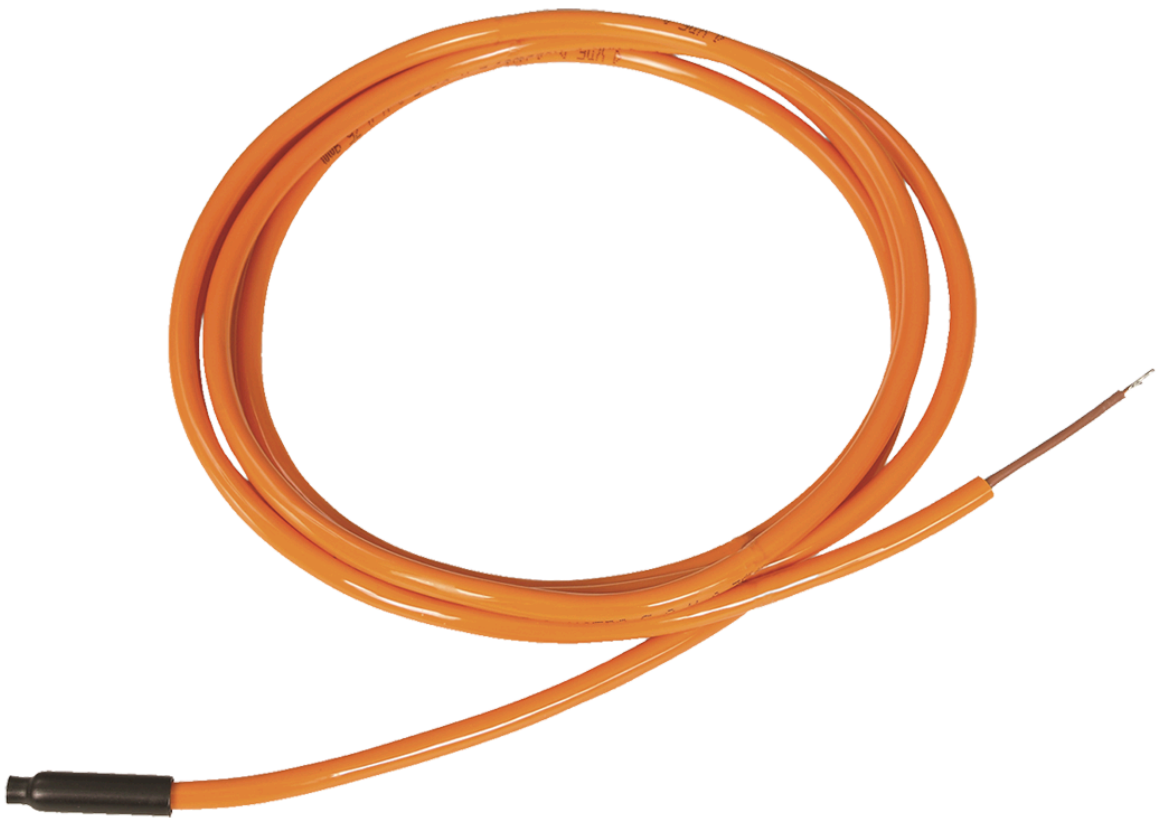
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DATA SHEET

TEM

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TEM PT 1000 TEMPERATURE SENSOR FOR SOIL INSTALLATION

TEM PT 1000 temperature sensor is designed for automatic HVAC systems for measuring temperatures in traffic tramp and street constructions.

Temperature is detected by a Pt1000 element with a nominal resistance of 1000 Ω / 0°C.

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

Sensor resistance at different temperatures

°C	Ω	°C	Ω
120	**1460.6**	25	**1097.3**
100	**1385.0**	20	**1077.9**
90	**1347.0**	15	**1058.5**
80	**1308.9**	10	**1039.0**
75	**1289.8**	5	**1019.5**
70	**1270.7**	0	**1000.0**
65	**1251.6**	-5	**980.4**
60	**1232.4**	-10	**960.9**
55	**1213.2**	-15	**941.2**
50	**1194.0**	-20	**921.6**
45	**1174.7**	-25	**901.9**
40	**1155.4**	-30	**882.2**
35	**1136.1**	-40	**842.7**
30	**1116.7**	-50	**803.1**



Technical data:

sensor	Pt1000 EN60751B
cable	∅ 6 mm x 5 m, PUR 2x0,75
temperature range	-30…+80 °C
accuracy	±0,3 °C (at 0°C)
sleeve	∅ 9 mm
protection class	IP54

Ordering guide:

Model	Product number	Description
TEM PT 1000	1174310	soil temperature sensor 1000 Ω / 0 °C

Products fulfil the requirements of directive 2014/30/EU and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

Information is subject to change without prior notice.