

T1031

Cable Resistance Temperature Sensors for Long-time Immersion in Corrosive Liquids

- Wide range of use.
- Measuring sensors Pt100, Pt1000.
- Measuring range -50 to +105 °C.
- Accuracy class A, B according to EN 60751.
- Increased resistance to corrosive liquids.
- Overall thermoplastic elastomer rubber insulation of sensor and extension cable.
- Housing IP 68.
- GOST R certification.



Technical specifications

Measuring resistor:

1xPt100 or Pt1000, accuracy class B acc. to EN 60751
 4-wire (only Pt100) or 2-wire inside wiring
 1xPt100, accuracy class A acc. to EN 60751
 4-wire inside wiring

Construction:

Sensors and extension cable molded together as one hot vulcanized unit (upon request also available with a stainless steel case).

Measuring range:

-50 to +105 °C

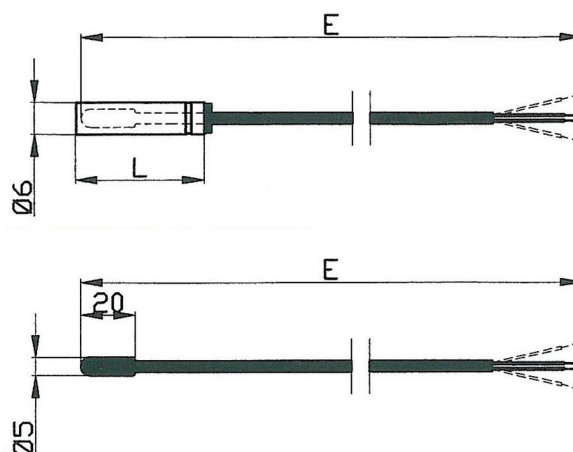
Cable:

Stranded copper wires 2x or 4x 0,30 mm² with single conductor polypropylene insulation and overall thermoplastic elastomer rubber insulation outer diameter approximately 3,5 mm

Insulation resistance:

100 MOhm / 100 V DC

Dimension drawings



Архангельск (8182)63-90-72
 Астана +7(7172)727-132
 Белгород (4722)40-23-64
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89
 Иваново (4932)77-34-06
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 Казань (843)206-01-48

Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
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 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
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 Пермь (342)205-81-47
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 Ставрополь (8652)20-65-13
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 Тула (4872)74-02-29
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 Череповец (8202)49-02-64
 Ярославль (4852)69-52-93

Type	Description
• T1031	Cable resistance temperature sensors for long-time immersion in corrosive liquids
Code	Temperature sensor Measuring range
• 01	1xPt100, 4-wire -50 to +105 °C
21	1xPt100, 2-wire -50 to +105 °C
23	1xPt1000, 2-wire -50 to +105 °C
99	Other
Code	Accuracy class according to EN 60751
• 1	B
2	A - only for Pt100, 4-wire
Code	Version of measuring end
• P020 ¹⁾	Without steel sleeve, diameter of end 6 mm, length 20 mm
• P050	With steel sleeve, diameter of end 6 mm, length 50 mm, material stainless steel 1.4401
• P100	With steel sleeve, diameter of end 6 mm, length 100 mm, material stainless steel 1.4401
P999	Other
Code	Sensor length L [mm]
L1000	1000
• L2000	2000
• L5000	5000 - only for Pt100, 4-wire
L ... ²⁾	Other - please fill length in mm
Code	Wire termination
• VV	Flying leads
V9	Other
	OPTIONAL ACCESSORIES
Code	Calibration in customer defined points, including certificate of calibration
KTE31A	Temperature calibration of single sensor in three points in range -40 to +105 °C
KTE9	Other
Code	Certificates
• GR	GOST R Certificate
Example of order: T1031 01 1 P020 L2000 VV	

• ... Ex stock version ¹⁾... In stock only in combination with sensor length L 5000 mm ²⁾... Only for orders of 5 or more pieces

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