

Resistance temperature probe with cable

Features

- · Available with different thermocouples
- Wide application
- · low-cost and high precision

Descriptions

The temperature sensor are mainly used for measuring temperatures in liquids and gases. An important factor for selection this installation type is its ability to form reliable seals for vacuum and high pressure applications. Versions with Pt100 or Pt1000 are also available. The connection can also be supplied in a 2-wire, 3-wire, 4-wire circurt as an option.

Applications

The application areas are among others, in air conditioning, and regrigration technology as well as heating and apparatus engineering. The thermocouples is suitable for temperatures from -50 to +350.

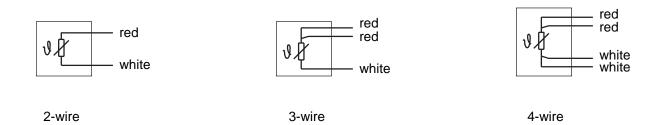


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RTD temperature	e probe accuracy DIN EN 60751		
Accuracy	Allowable deviation	Temperature range	
Class B	$\Delta t = \pm (0,3 \circ C + 0,005x t)$	-50+400 °C	
Class A	$\Delta t = \pm (0,15 \circ C + 0,002x t)$	-50+300 ° C	
Class 1/3B	$\Delta t = \pm (0,1 ° C + 0,0017x t)$	0+150 ° C	
Class 1/10B	$\Delta t = \pm (0.03 ^{\circ} ^{\circ} ^{\circ} ^{\circ} + 0.0005 ^{\circ} ^{\dagger} ^{\dagger} ^{\dagger})$	0+150 ° C	

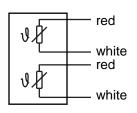
Temperature me	asuring end
Meterial	304/316L (stainless steel)
Diameter	3mm , 4mm , 5mm , 6mm,7mm,8mm (can be made in customers reqirements)
Length	(can be made in customers reqirements)

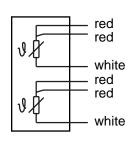
Electrical connection

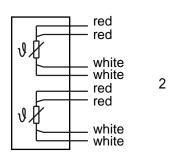


61 www.isotemp.cn



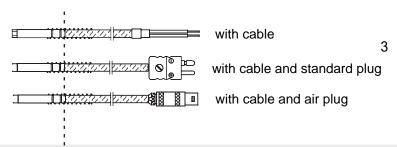




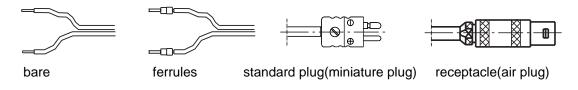


double temperature sensor in two-wire double temperature sensor in three-wire double temperature sensor in four-wire

Electrical connection



Electrical connection temination



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Connect cable

Cable Copper wire or thermocouple compensation wire

Sectional area 0.22 mm (Standard model)

Sensor quantity depend on thermocouples sensors

Cable meterial PVC,Silicone,FEP,PTFE or fiberglass

Note: the cable meterial on request.

The choice of the appropriate protection tube material depends on the medium which has to be measured and the conditions reigning in the site of measurement.

 PVC
 -20...+100 ° C

 Silicone
 -50...+180 ° C

 PTFE
 -200...+260 ° C

 Mental braiding
 -50...+400 ° C

 Fiberglass
 -50...+400 ° C

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