Pt 100 Temperature inset omniset TET200

Reliability⁺ Double Ø 3 mm Mineral Insulated cable Standard Pt 100





















Description

TET200 consists of two separate 3 mm diameter mineral insulated cable stems, with flying leads for head transmitter mounting or with a terminal block. For the 4 wire RTD only the terminal block connection is available.

The inset is fixed into the connection head by two spring loaded screws. In this way the tip of the inset can be pressed against the bottom of the thermowell ensuring a better thermal contact. The temperature sensitive length of the inset is 15 mm from the closed end of the tube.

Application

TET200 offers an increased safety in temperature measurement (Reliability⁺). The construction of the two separate sensing stems is a unique guarantee of sensor life extension.

When a short or open circuit is affecting one sensor element signal, the output reading is still available on the remaining element.

For the user this means:

- no emergency situation
- no dangerous conditions
- no plant shutdown
- no production alteration





Technical data

Sensing element:

Mineral insulated inset

Mineral insulated inset	Sensing element: Tolerances:	Platinum resistance, two single Pt 100 (100 Ω at 0°C) standard type class A to IEC 751, 1/3 DIN B (-50300°C)
	Operating temperature: Wiring: Insulation resistance: Electrical connections: Stem: Sheath: Response time values:	class B to IEC 751 (-50400°C) -50°C to 400°C 3 or 4 wire connections \geq 100 M Ω , test voltage 250 V at ambient temperature flying leads or terminal block mineral insulated cable (MgO) SS 316L / 1.4404 according to IEC 751, in moving water at 0.4 m/s T ₅₀ = 3 s; T ₉₀ = 6 s
	Order key TET200- Pt 100 inset Reliability ⁺ - Double Ø 3 mm M.I. cable - Standard Pt 100 Inset length IL (80-5000 mm)	
	2 AISI 3	00 mm of M.I. inset 6L / 1.4404
	2 FI	of terminal for DIN B head ying Leads rminal block
For the Inset Length identification (IL), please refer to the Technical	C D F L N Q S Y	lass and type of each sensitive element Pt100 class B, 3 wire Pt100 class B, 4 wire Pt100 class A, 3 wire Pt100 class A, 4 wire Pt100 1/3 DIN, 3 wire Pt100 1/3 DIN, 4 wire RTD class and type to specification
Information of the relevant thermometer type.	TET200-	Complete Order Code

Platinum resistance, two single Pt 100 (100 Ω at 0°C) standard type

Endress+Hauser Gmbh+Co. Instruments International P.O. Box 2222 D-79574 Weil am Rhein Germany

Tel. (07621) 975-02 Tx 773926 Fax (07621) 975 345 http://www.endress.com info@ii.endress.com

