## RTD Thermometer omnigrad TST414

Process thermometer- Mignon head Ø 3 mm M.I. probe with protecting pocket









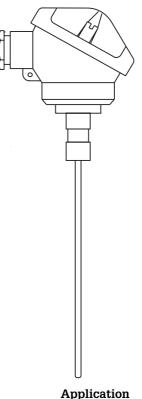












Due to the reduced wall thickness of the pocket, it is suggested to use this thermometer assembly in processes where no strong flow is present. Special care should be given to the maximum allowed temperature surrounding the terminal head, which must be lower than 80°C.





Description

TST414 RTD thermometer assembly includes a single Pt100 probe in mineral insulated cable, 3 or 4 wire connections, with 3 mm stem diameter and a mignon terminal head.

It is supplied with a 4.5 mm diameter pocket, which protects the probe from chemical corrosion and allows an easy replacement of the thermometer.

## **Technical data**

Probe
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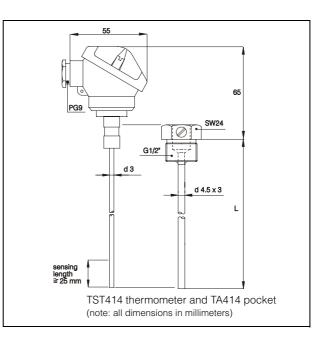
Sensing element: Platinum resistance, 1 x Pt100  $\Omega$  at 0°C, standard version Tolerances: class A or class B to IEC 751 Wiring: 3 or 4 wire connections Insulation resistance:  $\geq$  100  $M\Omega$  , test voltage 250 V at ambient temperature Electrical connections: terminal block mineral insulated cable (MgO) AISI 316L/W.1.4404 Sheath:

## **TA414 Pocket**

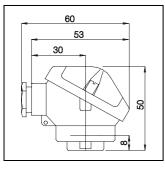
Standard diameter: Standard material: Process connection: Operating temperature: -50°C to +400°C Response time values:

Stem:

4.5 x 3 mm AISI 316Ti/W.1.4571 G 1/2" M Max. operating condit.: 100 bar @ 20°C; 1 bar @ 300°C according to IEC751, in moving water at 0.4 m/s



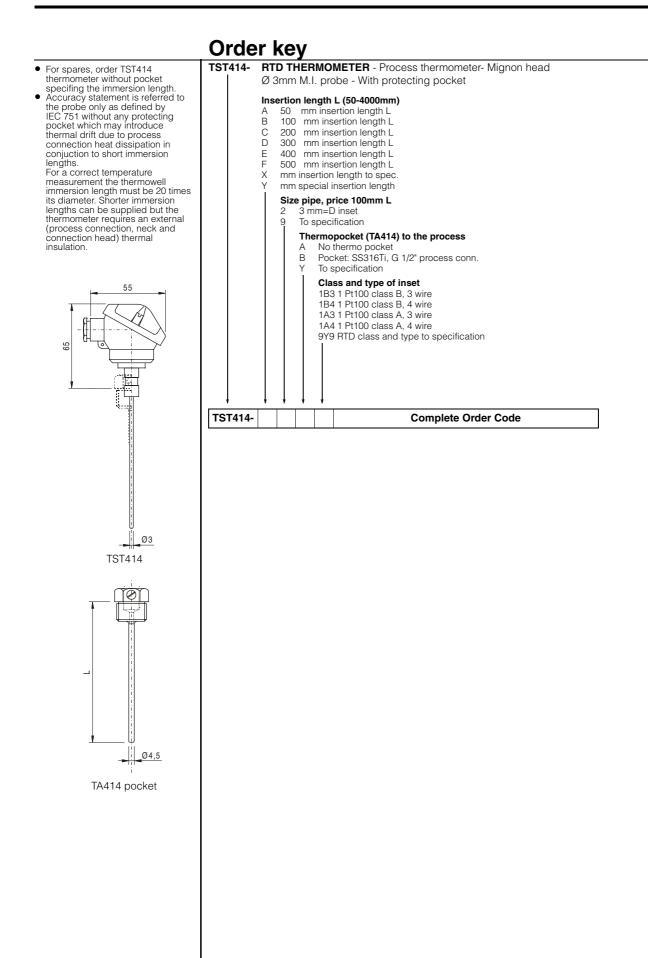
## **TA20L** terminal head



Dimension: Protection grade: Max. temperature: Material: Cable connection: Thermowell entry: Body colour: Cap colour: Weight:

IP 67 80°C light alloy dye casting with rubber gasket under the cover PG9 M10 x 1 mm blue according to RAL5012 - epoxy coated grey according to RAL7015 - epoxy coated 75 g

Mignon type



Supplementary Documentation

Technical Information TA20 terminal heads

(TI 072T/02/en)

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