TEMPERATURE MEASUREMENTS IN MOLTEN METALS

Immersion thermocouples SUPERTEMP

For measuring the temperature of molten metal in Blast furnaces, Torpedo cars, BOF, EAF, Induction Furnaces and various types of Ladles, SUPERTEMP immersion thermocouples are one of the standard of the steel melting industry. It is enough to engage the thermocouple on the lance and dip it into the molten metal, to quickly obtain the temperature measurement to the connected digital equipment. Depending on the application, anti-splash protections are also available.

Tested in millions of immersions, SUPERTEMP thermocouples assure quick and reliable measurements.
Technical Characteristics:

- **Element:**
  - type S (Pt – Pt 10% Rh)
  - type R (Pt – Pt 13% Rh)
  - type B (Pt 6% Rh – Pt 30% Rh)
  - type K also available

- **Accuracy:**
  - $0 \pm 3 \, ^\circ C$ at $1553.5 \, ^\circ C$

- **Calibration:**
  - ITS 90

- **Tube length:**
  - From 300 to 1800 mm
  - (other lengths on request)

- **Slag-cap:**
  - Steel (Al or Cu available)

- **Diameters:**
  - 17, 19, 28 and 39 mm

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**SPECIAL SERIES**

For special requirements, SUPERTEMP can be customized according to the different operating conditions, and to the different production requirements.