



THERMOCOUPLE CAP , TYPE STIN-1



DESCRIPTION

The thermocouple cap is part of the “Disposable Immersion Thermocouple”.

Disposable Immersion Thermocouples are thermoelectrical transducers used to measure the temperature directly, accurately and quickly through immersion method, in ferrous and non-ferrous meltings.

TECHNICAL DATA

- Types of thermocouple :
 - S (Pt/Pt 10% Rh) or
 - R (Pt /Pt 13% Rh) or
 - B (Pt 6% Rh /Pt 30% Rh)
- Calibration of the thermocouples wires :
acc. to IEC (CEI) 584-1 based on the temperature scale ITS 90
- Thermocouple accuracy at Pd melting point (1554°C) : (0...+4)°C
- Measuring time : 3 to 6 seconds
- Slag-protection caps material : - steel for temperature > 1520°C
- aluminium for temperature < 1520°C
- Body material : plastic or ceramic
- Size : 3/8” conector size thermocouple sensor



PACKING

- 400 pcs / box.
- Box dimensions : 30 x 27 x 19 cm
- Gross weight : 9.5 Kg

UTILIZATION

To perform the measurement, the thermocouple cap is introduced in a protection cartoon tube this realizing the disposable immersion thermocouple. The thermocouple is coupled with the measuring lance provided with a contact element (contact block) polarized.

The lance is connected with the measurement instrument through a compensating cable.

APPLICATIONS

- *plastic* : electric steel plants, pig iron ladles, iron foundries, non – ferrous foundries

OPERATING

Temperature measurement in convertors, electrical furnaces, casting pots, casting molders, steel, iron copper, aluminum and other alloys metallurgy.

Calibration Pt / Pt10%Rh

| Body material | Slag protection cap material | |
|---------------|------------------------------|-----------|
| | Steel | Aluminium |
| Ceramic | STS 0100C | STS 0101C |
| ABS | STS 0100P | STS 0101P |

Calibration Pt / Pt13%Rh

| Body material | Slag protection cap material | |
|---------------|------------------------------|-----------|
| | Steel | Aluminium |
| Ceramic | STR 0130C | STR 0131C |
| ABS | STR 0130P | STR 0131P |

Calibration Pt6%Rh / Pt30%Rh

| Body material | Slag protection cap material | |
|---------------|------------------------------|-----------|
| | Steel | Aluminium |
| Ceramic | STB 0360C | STB 0361C |
| ABS | STB 0360P | STB 0361P |