



# 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