

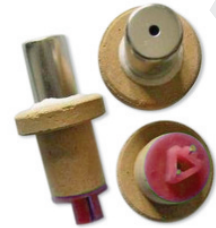


This is an accurate expendable immersion type Thermocouple Assembly, which is used to measure temperature of molten metal in Blast Furnace (BF), Torpedo Car, Blast Oxide Furnace (BOF), Electric Arc Furnace (EAF), Ladles, Ladle Refining Furnace (LF/LRF), Tundish, Cupola Pouring Spout, Induction Furnace, Crucible Furnace ect.

Through our concentrated development activities, we offer following specification



## METAPRO



**METAPRO**  
[ VARIOUS GRADES ]

MANUFACTURER: METACHEM MANUFACTURING COMPANY PVT. LTD., PUNE, INDIA

### TECHNICAL SPECIFICATIONS

Thermocouple Type: S/R/B Pt/PtRh 10%, 13%, 6/30%  
Thermocouple Connector: Cu/CuNi (5%) - 16/17 SWG, Cu-Cu for B type.  
Thermocouple Tolerance:  $\pm 2^\circ \text{C}$   
Receptacle Type: MARK VII  
Refractory Cement Type:  $< 0.5\%$  Fe content  
Thermocouple Holder: Ceramic / Plastic  
Paper Tube Length: 300mm to 1800mm  
Paper Tube Type / Diameter: Spiral, ID-18 mm, OD-32 mm  
Protection Cap Type: Mild Steel, Copper, Aluminium  
Accordance with IPTS-68

### PRODUCT INGREDIENTS

PROTECTION CAP, "U" SHAPE QUARTZ TUBE, THERMOCOUPLE WIRE (Pt/Pt-Rh) Cu/CuNi WIRE, REFRACTORY CEMENT, PLASTIC CONNECTOR (Mark VII), CERAMIC/PLASTIC HOLDER, PAPER TUBE (SPIRAL).

### PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE: Faint Brown (Paper Tube)  
BOILING POINT: N/A  
PHYSICAL STATE: SOLID  
MELTING POINT: N/A

### SAFETY PRECAUTIONS IN HANDLING AND STORAGE

FRAGILE MATERIAL (HANDLE WITH CARE), **METAPRO** SHOULD BE KEPT IN DRY PLACE WITH A PLASTIC COVER. TO PREVENT FROM BREAKAGE **METAPRO** SHOULD BE KEPT IN A RACK.

EXPIRY DATE: NOT APPLICABLE