



## Sampling Cups



These are the sampling cups with accurate thermocouple assembly. Through our continual development activities, we offer the following:

**Metacup-CE** without tellurium; is used for "Carbon Equivalent" determination of cast iron.

**Metacup-C** with tellurium 'Blob' to get more reliable data for thermal analysis to read CE, C & Si of cast iron.

**Metacup-CE- N** without tellurium; is used for "Carbon Equivalent" determination of cast iron. This cup withstands for 07-09 minutes to get complete cooling curve.

**Metacup-HC** is specially used for determination of high carbon equivalent of cast iron / S.G. Iron.

**Metacup-HC- N** is specially used for determination of high carbon equivalent of cast iron / S.G. Iron. This cup withstands for 07-09 minutes to get complete cooling curve.

## Thermocouple Tips



**BMD Tips** These can be used 6 to 8 times to measure temperature of molten metal in slag free condition. This tip has a ceramic tube.

**MINI Tips** These are expendable cardboard sleeve tips useful to measure temperature of molten metal with slag. It has Male Receptacle. Expendable Mini Tip is available in different lengths having ID 18 mm & OD 32 mm.

**TYPE III Tips** These are useful to measure temperature of molten metal with slag. It has Female Receptacle. Expendable Type III Tip is available in different lengths having ID 28mm & OD 42 mm.

All Thermocouple Tips are available in Pt/Pt-Rh Thermocouples-10%, 13% & 6/30%

**Type VII Tips** These are expendable cardboard sleeve tips used for measuring molten metal temp with slag. It is a international design having male female receptacle.

**MTR Tips** These can be used 4 to 5 times in slag free conditions.

**Safe Tip** The anti-splash tip is manufactured with a special coating that prevents molten metal from spurting and splashing. Due to extra protection this thermocouple is usable 11 times, reducing the cost of each reading.

## Immersion Sampler



**Application:** This sampler is suitable for every steel plant for taking sample in Arc Furnace, Ladle and Tundish. These are used for process analysis of molten metal for instantaneous sampling techniques and reinforces quality control. We manufacture various types of Immersion Samplers.

### Sampler Shapes

Round  
Oval  
Twin

### Paper Tube Dimensions

ID : 39 mm minimum  
OD : 49 mm minimum  
Length: 900 mm, 1200 mm, 1800 mm

(Paper tube length may vary as per customer's requirement)

### De-oxidants

Aluminium  
Titanium  
Zirconium  
Plain

### Specifications of Sampler Cartridge

PARAMETER	OVAL	ROUND	DOUBLE
Length (Approx.)	43 mm	41 mm	35 mm + 25 mm
Width (Approx.)	32 mm	32 mm	32 mm
Thickness (Approx.)	12 mm / 8 mm	12 mm / 8 mm	12 mm & 4 mm

All our products are certified to meet ISO/QS standards

*Specifications may change without prior notice due to continuous development*