METACUP C & METACUP CE THERMAL ANALYSIS CUPS

DESCRIPTION

Expendable sampling cups used to determine the thermal arrests in the cooling curve of molten Iron. The shell is manufactured using high grade Silica sand and fitted with a strong, dependable connecting system. The volume of the cups offers the best compromise between measuring time and consistency of the results.

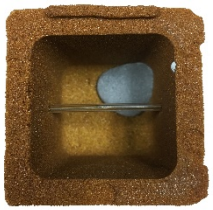
FEATURES

- ▣ Quick and Accurate Melt quality determination
- ▣ Compatible with all thermal analysis systems
- ▣ Consistent results with historical data due to square shape
- ▣ Square shape prevents loose contacts
- ▣ Thermocouple protected by Quartz tube
- ▣ Manufactured under strict ISO 9001:2000 Quality Standards
- ▣ Quick Shipping from USA

CUP TYPES

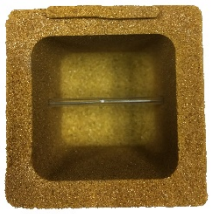
Metacup – C

Tellurium on the bottom suppresses undercooling and promotes white solidification. Commonly used to calculate CE, C, and SI content.



Metacup – CE

Without Tellurium, resulting in grey solidification. Used to determine eutectic undercooling and CE.



Ordering Information	
METACUP C	Thermal Analysis Sampling Cup w/ Tellurium
METACUP CE	Thermal Analysis Sampling Cup w/o Tellurium

Technical Specifications

Thermocouple Type	K
Calibration Standard	IPTS 68
Thermocouple Accuracy	±0.75%
Recommended Measurement Temperature Range	932°F-2462°F 500°C-1350°C
Resin Content	2.5%
Mold Sand Grade	AFS 60-70
Core Hardness	4.2 MPa
Shelf Life	12 months minimum
Height	2.05” (52mm)
Width	2.00” (51mm)
Weight	4-4.4 oz. (115-125g)
Handling & Storage	Handle with care and store in a dry environment

You’ve Been Using Our Products Since 1975!

SYSCON International, Inc. has manufactured molten metal temperature measuring and thermal analysis systems for a major private-label customer since 1975. Additional SYSCON Sensors products include:

- ▣ TS-1 Handheld Digital Pyrometer
- ▣ WM-1 Wall-Mount Digital Pyrometer
- ▣ FL-1 Ferrolab Thermal Analysis System
- ▣ Single & Multi-Use Thermocouple Tips
- ▣ Sampling Cups
- ▣ Steel Samplers
- ▣ Repair, Replacement Parts, & Calibration Services

SYSCON SENSORS