

# IMM-SS IMMERSION SAMPLERS ROUND / OVAL / TWIN

## DESCRIPTION

SYSCON Sensors Immersion Samplers are designed for the Iron and Steel industry to aid in the secondary refining process by obtaining quick, solid, and homogenous samples. They are ideal for taking samples from Electric Arc Furnace (EAF), Basic Oxygen Furnace (BOF), Tundish, Ladle, and other stations.

Available in popular Round, Oval, or Twin (aka Double Thickness) shapes, samplers provide a simple means to extract a sample slug, from which the chemical composition and inclusion characteristics can be determined by spectrometric and combustion analysis. Immersion Samplers are available with Aluminum, Zirconium, Titanium, or no deoxidizer material.

Immersion tubes are made from high density convolute wound paper for maximum strength and resilience. Samplers with immersion tubes are available in a variety of sizes. Samplers and tubes are also sold separately, allowing a single tube to be re-used with a second sampler at the opposite end.



## Ordering Information

IMM-SS-KK-TBLL	<p>Immersion Sampler with tube</p> <p><b>SS</b> (shape) options: RD round OV oval AM (aka Twin, Double Thickness)</p> <p><b>KK</b> (deoxidant) options: AL aluminum ZR zirconium TI titanium NK none</p> <p><b>LL</b> (tube length) options: 00" (cartridge only) 32", 44", 72", others on request</p>
IMM-SS-TBLL	<p>Immersion SS Sampler tube only</p> <p><b>LL</b> (tube length) options: 32", 44", 72", others on request</p>



## FEATURES

- ◆ Easy to remove sample from the tube
- ◆ Round, Oval, or Twin (Double Thickness) shapes
- ◆ Furnace, Tundish, or Ladle application
- ◆ Stamped metal, rust free molds
- ◆ Shell sand encased to allow time for sample gathering in ladle or furnace
- ◆ Suited for automatic handling equipment
- ◆ Economically priced
- ◆ Manufactured under ISO 9001:2015 Quality Standards

## Technical Specifications

Shape	Round, Oval, or Twin (Double Thickness)
Deoxidizer	<ul style="list-style-type: none"> <li>▪ Aluminum Kill</li> <li>▪ Zirconium Kill</li> <li>▪ Titanium Kill</li> <li>▪ No kill, No deoxidizer</li> </ul>
Dimensions	Round: 1.6 x 1.25 x 0.5" (32 x 32 x 12mm) Oval: 1.7 x 1.25 x 0.5" (43 x 32 x 12mm) Twin: 2.4 x 1.25 x 0.5" (60 x 32 x 12mm)
Cap	Steel
Sampling Time	5-7 Seconds
Tube Length	32", 44", 72" or as required
Tube Diameter	OD: 1.78" (45mm)

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