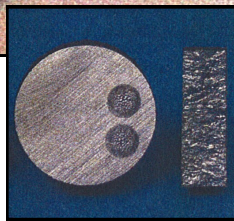


## QuiK-Spec<sup>®</sup> 3000

SPECTROMETER SAMPLER FOR MOLTEN METAL



QS3000 Iron Sampler Series with Reusable Cardboard Tube



Polished Sample

### ACCURATE ANALYSIS

The QS3000 sampler gives the molten metal producer a cost effective, portable and easy to use device for accurate sampling of molten metal.

### IRON ANALYSIS

A superior quality sample is essential for accurate and repeatable analysis of cast iron, ductile iron and blast furnace iron on OES (Optical Emission Spectrometer). Free graphite and contamination in the sample can cause erroneous measurements in carbon, silicon and sulfur. The QS3000 sampler provides the lab with a sample that is superior in sample reproducibility than commercially available standards. This unique device eliminates the need for spoon sampling. The QS3000 sampler offers a consistent disc and pin that is easy to run in the lab.

### STEEL ANALYSIS

The QS3000 sampler is ideal for molten steel. Aluminum or zirconium deoxidation can be added for high oxygen applications. Consistent surface quality reduces preparation time and yields accurate OES analysis. The sampler can be used in the furnace or ladle.

### NONFERROUS ANALYSIS

In nonferrous applications the QS3000 is convenient to use and yields a sample which is homogeneous and easy to prepare. The QS3000 sampler allows sampling of the metal at any processing step.

Heraeus Electro-Nite Co., LLC has a quality system that meets the requirements of ISO 9001:2008.

Heraeus Electro-Nite Calibration Laboratory has a quality system that meets the requirements of ISO/IEC 17025:2005.



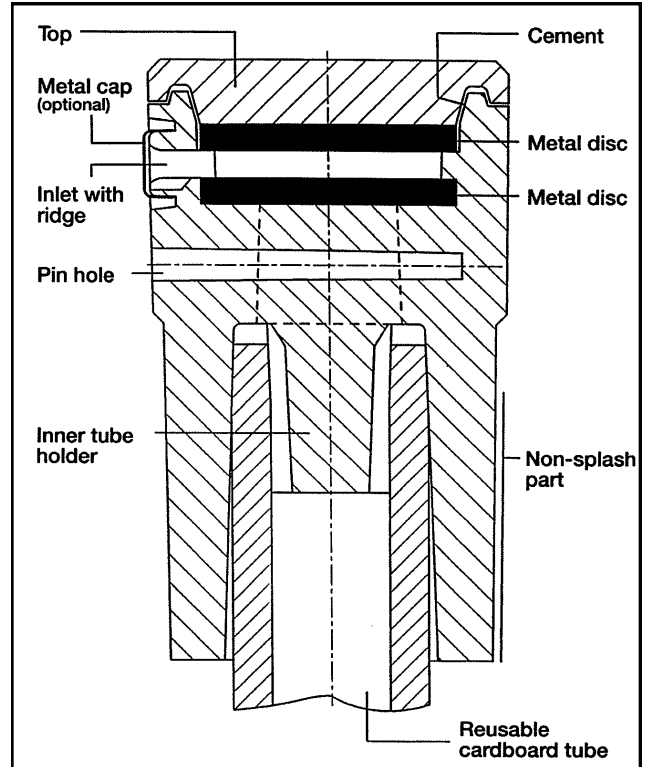
**Electro-Nite**

# QuiK-Spec 3000

# Heraeus

## BENEFITS

- Superior quality in dimension and microstructure
- Reduced measurement error
- Portable for sampling at any location (no spoon required)
- Homogeneous for reduced analysis time
- Simple to use and contamination free
- Low cost with high success rate
- No surface irregularities
- Consistent dimensional control for auto preparation
- Utilizes discarded cardboard thermocouple (ML) tubes
- Graphite free microstructure
- Ability to run carbon on OES
- Sample stream inoculated irons
- 35mm diameter in 4,6,8,10 and 12mm thickness
- Ideal for foundry (cupola runners, holding furnaces and pouring ladles) and blast furnace applications (streams and transfer ladles)



Cross Section of QS3000 Iron Sampler

## ORDERING INFORMATION

### INSERTS

Standard Inserts:

<b>QS3004</b>	4 mm disc
<b>QS3006</b>	6 mm disc
<b>QS3008</b>	8 mm disc
<b>QS3010</b>	10 mm disc
<b>QS3012</b>	12 mm disc

Insert Options:

**STR** – for stream sampling  
**MCC** – for metal and cardboard cap over disc inlet

**(Options below include metal and cardboard cap over disc inlet)**

**TECC** – for tellurium

**ALMC** – Al killed

**ZRMC** – Zr killed

Example:

**QS3004** – Standard 4mm insert, no cap

**QS3006MCC** – 6mm insert with metal and cardboard cap

**QS3010TECC** – 10mm insert with tellurium, metal and cardboard cap

**QS3012TECC** – 12mm insert with tellurium, metal and cardboard

### PAPER TUBES

<b>PT24</b>	24" Reusable Tube
<b>PT36</b>	36" Reusable Tube
<b>PT48</b>	48" Reusable Tube
<b>PT60</b>	60" Reusable Tube

### PACKAGING

<b>Inserts</b>	50/box, 2500/pallet
<b>STR Inserts</b>	60/box, 1200/pallet
<b>Tubes</b>	50/box, 1000/pallet

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