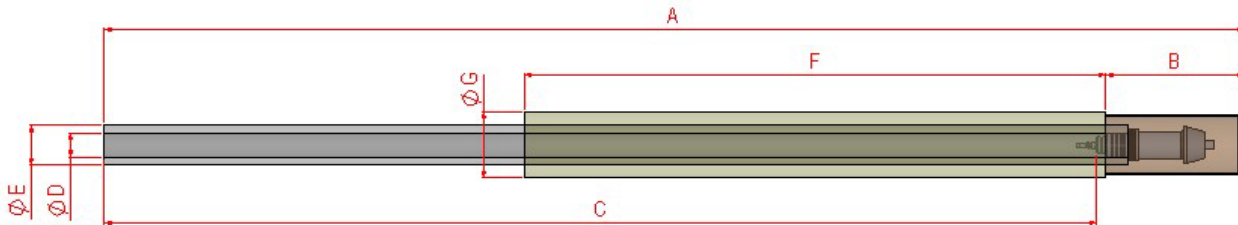


IMM-H2 IMMERSION SAMPLER HYDROGEN

DESCRIPTION

SYSCON Sensors Hydrogen Measuring probes are designed for the Steel industry to aid in the degassing process and to ensure that final hydrogen content remains within specified limits. Control of hydrogen level in finished steel products is essential to reduce and eliminate flaking, fissures, cracking, blowholes, pinholes, breakouts and other defects. SYSCON Hydrogen Measuring probes include non-splash coatings which are specific for use at Ladle or Tundish stations.



Immersion tubes are made from high density convolute wound paper for maximum strength and resilience. Probes with immersion tubes are available in a variety of lengths.

Maintain stock in cool, dry, and well-ventilated location. Paper tube moisture content must remain below 12%.

Appropriate PPE required; splashing of molten metal can occur.

Technical Specifications

Sampling method	Nitrogen gas injection; Hydrogen diffusion and re-collection
Analysis principle	Conductivity of dissolved Hydrogen Accuracy: +/-0.1 ppm Range: 0.5 - 14 ppm
Slag Cap	Steel and cardboard
Non-splash sleeve	Silica sand (LMF, VOD/VD) Sintectic heat resistant fiber (Tundish)
Sampling Time (Max)	120 seconds
Sampling Temp (Max)	3,100 F
Tube Length	As required
Tube Diameter	ID: 1.15" (29.3mm), OD: 1.85" (47mm)

FEATURES

- ◆ Reliable determination of Hydrogen content in steel
- ◆ Designed for use at LMF, VOD/VD, and Tundish
- ◆ Compatible with industry standard lances, cables, and analysis equipment
- ◆ Easily detects hydrogen, even at low levels, by means of thermal conductivity detection
- ◆ Essential for quality control of dissolved hydrogen
- ◆ Suited for automatic handling equipment
- ◆ Economically priced
- ◆ Manufactured under ISO 9001:2015 Quality Standards

Ordering Information

IMM-H2-ST-TBLL	Oxygen / Temperature probe sensor ST (sampling station) options: LD – LMF or Degassing station TN - Tundish LL (tube length) options: 32", 44", 72", others on request
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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 Thermal Analysis System
- ◆ Single & Multi-Use Thermocouple Tips
- ◆ Sampling Cups
- ◆ Iron and Steel Samplers
- ◆ Repair, Replacement Parts, & Calibration Services