

# ATMOProbe™

## ZIRCONIA OXYGEN PROBE



AC6-20K Alloy Sheath  
(Range: 1300 - 1750°F)



CC8-20S Ceramic Sheath  
(Range: 1000 - 2400°F)



### SOLID ZIRCONIA SENSOR

The AtmoProbe™ is an industrial atmosphere sensor that provides extremely accurate and repeatable measurements, and may be used in a variety of atmosphere measurement applications. The proprietary design of the AtmoProbe™ utilizes a 100% solid zirconia electrolyte sensor mounted within a solid zirconia seat. The solid slip-cast zirconia sensor eliminates seams and seals near the measurement point that typically cause offsets and premature failures of most oxygen probes. Furthermore, the unique secondary 100% zirconia seat serves as a shock absorber and provides an extremely robust mechanical design that can handle repeated temperature cycling and mechanical stresses without damage.

The design of the AtmoProbe™ has been field-proven for the past 40 years to provide the most robust and reliable atmosphere measurement solution available. In “side-by-side” trials in carburizing atmosphere applications, the AtmoProbe™ was repeatedly shown to provide the most accurate measurement of true carbon potential over an extended period of time without any “process factor” adjustments necessary.

The AtmoProbe™ is available in a selection of sizes and configurations in either alloy or ceramic sheath materials, designed to meet most industrial atmosphere measurement applications over a wide range of operating temperatures. Available accessories include probe conditioning systems, mounting flanges, reheat wells and redundant probe control solutions.

### COMMON PROBE MODELS

AC6-20K	<ul style="list-style-type: none"> <li>• Carbon Probe</li> <li>• 20” Length</li> <li>• Alloy sheath</li> <li>• Type K T/C</li> </ul>
CC8-20S	<ul style="list-style-type: none"> <li>• Generator Probe</li> <li>• 20” Length</li> <li>• Ceramic sheath</li> <li>• High temp rating</li> <li>• Type ST/C</li> </ul>

### SPECIFICATIONS

Physical Size	1.00” OD x 20” insertion length, longer lengths to 38”
Electrical Connection	AmpCPC 4 pin commercial connector
Reference Air	1/4” tube compression fitting, brass
Burnout Air	1/4” tube, stainless fitting
Furnace Port	1” female NPT thread required
Shipping Weight	8lbs
Warranty	12 months

“INTEGRATED CONTROL SOLUTIONS”

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