

Gold Probes

Super Systems oxygen probes deliver **precision measurement** and **repeatability** in a variety of atmosphere processes.

Sensor Applications
Carbon Potential
Oxygen
Dew Point
Millivolts

Patented sheath / electrode design facilitates probe burnout, promoting **longer life**.

SSi's Gold Probe can be rebuilt one time after the initial warranty period expires, both new and rebuilt probes carry a **twelve (12) month warranty**.

Same day shipping available for stocked items

CERAGOLD

"Ceragold" - high temperature / high carbon solution reduces green rot and sooting, resulting in superior performance and probe life.

Model	Insertion Length	P/N NO T/C	P/N "K" T/C	P/N "S" T/C	P/N "R" T/C
GP205	20.5" (520mm)	16010 00	16019 00	16018 00	1601100
GP277	27.7" (704mm)	16020 00	16029 00	16028 00	1602100
GP330	33.0" (838mm)	16040 00	16049 00	16048 00	1604100
GP373	37.25" (946mm)	16090 00	16099 00	16098 00	1609100
GP420	42.0" (1067mm)	1609042	1609942	1609842	1609142
GP480	48.0" (1219mm)	1609048	1609948	1609848	1609148
BAZOOKA	See Manual		17139 00	17138 00	1713100

The GOLDPROBE is a zirconia oxygen probe used for atmosphere measurements which include: **non-oxidizing**, reducing, neutral and carburizing processes.

BAZOOKA Probe

designed for endothermic generators

- Heated by the combustion system - approximately 1550 °F (843 °C)
- Endo gas, after it has been cooled, is plumbed to the Bazooka for measurement
- The output from the Bazooka probe is connected to the controller
- Trim air/gas is introduced after the carburetor before the mixing pump
- Sidewall mounting allows for easy installation & maintenance while the generator is operational
- 12-month warranty - can be rebuilt
- Direct replacement for "re-heat well" probes

Process variable range: 0-100 °F Dew Point (-18 to 45 °C)
 Temperature range: 1350 to 1700 °F (732 - 926 C)
 Probe impedance: Less than 10 k ohms @ 1700 °F
 Probe output: 0 to 1250 mVdc
 Response time: Less than 1 second



Control Systems



Model 1500

Atmosphere control system
 Integral reference air and burnout air system
 Designed for endothermic generator or furnace applications
 Electrical drawings provided for easy customer installation
 Typically in stock - Ready for delivery

Model 2500

NFPA compliant atmosphere & temperature control system
 FM approved Hi-limit control
 Integral reference air and burnout air system
 Designed for endothermic generator or furnace applications
 Electrical drawings provided for easy customer installation
 Typically in stock - Ready for delivery



Applications:

- Multi-tube generators
- Rotary retort furnaces
- Muffle type furnaces
- Shaker furnaces
- Low-temperature applications
- Sintering applications

Self-Heated Oxygen Probe

There are certain applications where an in situ probe is impractical. For those situations, Super Systems Inc., recommends the HP2000 self-heated oxygen probe.

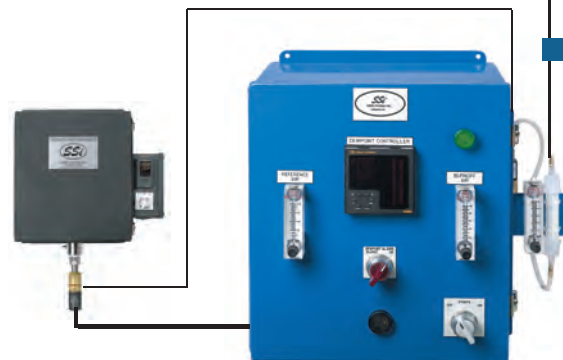
The probe uses an extracted, continuous sample of the atmosphere stream versus a standard in situ oxygen probe.

The configuration below shows the typical interconnection of the components making up an entire system.



Furnace or Generator Atmosphere

Description	Part Number
HP2000	13019
SSi Ceragold Gold Probe	11138 00
Model 1500 Atmosphere Control System (Reference Air & Burnout Air)	31051
Optional Pump	37177
HP15 / HP 25 - Heated Probe Control System	13456



SuperSystems
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7205 Edington Drive
 Cincinnati, OH 45249
 513.772.0060 **phone**
 513.772.9466 **fax**

www.supersystems.com • 800.666.4330