

Gold Probes

delivers precision and repeatability in a variety of controlled atmosphere heat treating processes

CERAGOLD

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

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

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



Model	Over-all Length	Insertion Length	P/N "K" T/C	P/N "S" T/C	P/N "R" T/C
GP205	27.25" (692mm)	20.5" (520mm)	16019 00	16018 00	1601100
GP277	34.25" (870mm)	27.7" (704mm)	16029 00	16028 00	1602100
GP330	39.5" (1003mm)	33.0" (838mm)	16049 00	16048 00	1604100
GP373	43.75" (1111mm)	37.25" (946mm)	16099 00	16098 00	1609100
BAZ00KA		See Manual	17139 00	17138 00	1713100



Model 1500

- Single - loop atmosphere control system
- Integral reference air and burnout air system
- Designed for either endothermic generator or furnace
- Electrical drawings for easy customer installation

Model 2500

- Single - loop atmosphere & temperature control system
- Hi-limit control
- Integral reference air and burnout air system
- Designed for either endothermic generator or furnace
- Electrical drawings for easy customer installation



BAZOOKA Probe

designed for an endothermic generator



- Heated by the combustion system - approximately 1550 F°
- Endo gas, after it has been cooled, is connected to the probe to be measured
- 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 while the generator is operational
- 12-month warranty
- Direct replacement for "re-heat well" probes

Process variable range: 0-100°F DP (0.01 to 1.6% C)
Temperature range: 1350° to 1700°F
Probe impedance: Less than 10 k ohms @ 1700°F
Probe output: 0 to 1250 mVdc
Response time: Less than 1 second



Applications:

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

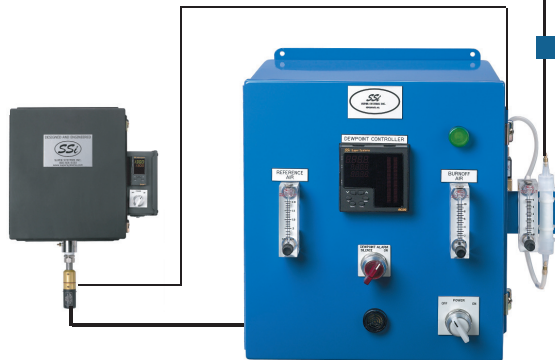
Self-Heated Oxygen Probe

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 to pass-by a standard oxygen probe.

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

Furnace Atmosphere



Decription	Part Number
HP2000	13019
SSi Gold Probe	11138 00
Model 1500 Atmosphere Control System (Reference Air & Burnout Air)	31051
Optional Pump	37177
HP2000 with 9000 Series Temperature and Atmosphere Controller	13405



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