Gold Probes

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

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.

**CERAGOLD**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Insertion Length</th>
<th>P/N NO T/C</th>
<th>P/N “K” T/C</th>
<th>P/N “S” T/C</th>
<th>P/N “R” T/C</th>
</tr>
</thead>
<tbody>
<tr>
<td>GP133</td>
<td>14.3” (364mm)</td>
<td>11130 00</td>
<td>11139 00</td>
<td>11138 00</td>
<td>11131 00</td>
</tr>
<tr>
<td>GP205</td>
<td>20.5” (520mm)</td>
<td>16010 00</td>
<td>16019 00</td>
<td>16018 00</td>
<td>16011 00</td>
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<tr>
<td>GP277</td>
<td>27.7” (704mm)</td>
<td>16020 00</td>
<td>16029 00</td>
<td>16028 00</td>
<td>16021 00</td>
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<tr>
<td>GP330</td>
<td>33.0”(838mm)</td>
<td>16040 00</td>
<td>16049 00</td>
<td>16048 00</td>
<td>16041 00</td>
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<td>GP373</td>
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<td>16099 00</td>
<td>16098 00</td>
<td>16091 00</td>
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<td>GP420</td>
<td>42.0” (1067mm)</td>
<td>16090 42</td>
<td>16099 42</td>
<td>16098 42</td>
<td>16091 42</td>
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<td>GP480</td>
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<td>16090 48</td>
<td>16099 48</td>
<td>16098 48</td>
<td>16091 48</td>
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<tr>
<td>BAZOOKA</td>
<td>See Manual</td>
<td>-</td>
<td>17139 00</td>
<td>17138 00</td>
<td>17131 00</td>
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</table>

The **GOLDPROBE** is a zirconia oxygen sensor 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 and 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

SSi Incorporation
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.