



GEO

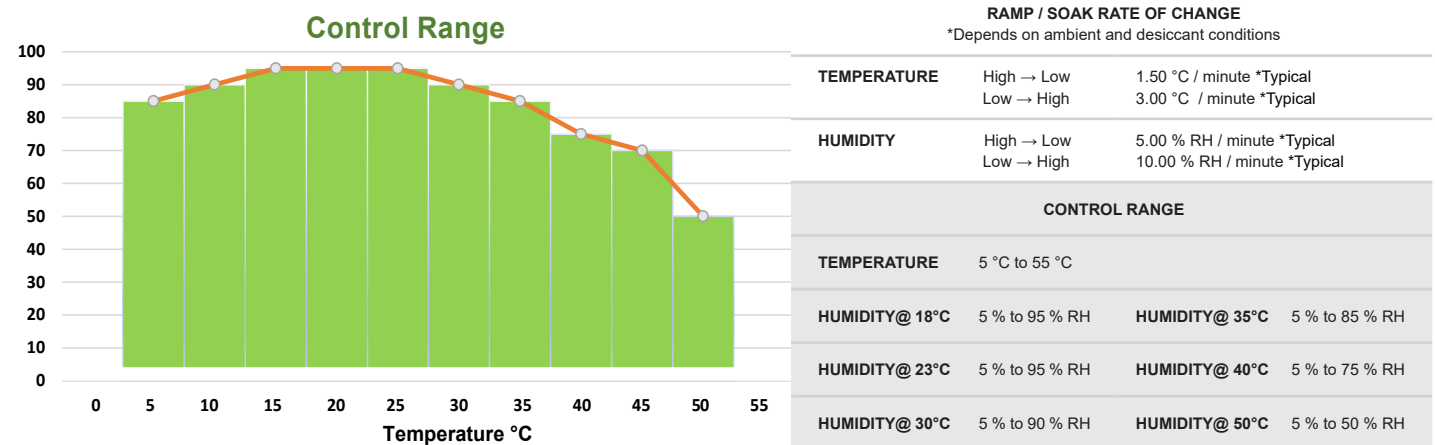
Calibration

Multi-Gen 3

PRODUCT OVERVIEW

GENERAL SPECIFICATIONS (For Each Chamber - Chamber 1,2 and 3)

| | | | | |
|---|--------------------|--|----------------------|--------------------------|
| CALIBRATION TO (17025 TRACEABLE TO NIST) | TRANSFER STANDARD | No Charge | | |
| | CERTIFICATE | 17025 Validation (Additional Fees Apply) | | |
| OPERATING AMBIENT CONDI- TIONS | TEMPERATURE | 18 °C to 28 °C | | |
| | HUMIDITY | Up to 80 % RH | | |
| STORAGE CONDITIONS | TEMPERATURE | -20 °C to 50 °C | | |
| | HUMIDITY | 0 % to 95 % RH (non-condensing) | | |
| ALTITUDE | 2000 m | | | |
| CALIBRATION SYSTEM ACCURACY | TEMPERATURE | ± 0.12 °C Or Better | Typically ± 0.10 °C | *Based on Probe Accuracy |
| | HUMIDITY | ± 1.00 % RH Or Better | Typically ± 0.80 % | *Based on Probe Accuracy |
| | CONTROLLER TYPE | PID Controller | | |
| UNIFORMITY | TEMPERATURE | 0.10 °C Or Better | Typically ± 0.10 °C | |
| | HUMIDITY | 0.30 % RH @ 18 °C to 28 °C Or Better | | Typically ± 0.25 % |
| STABILITY | TEMPERATURE | 0.05 °C | | |
| | HUMIDITY | 0.15 % RH @ 18 °C to 28 °C | | |
| WARM-UP PERIOD | AMBIENT CONDITIONS | 30 Minutes Maximum | | |
| | COLD | 30 Minutes | | |
| RESOLUTION | DISPLAY | Temperature | 0.01 °C | |
| | | Humidity | 0.01 % RH | |
| | | Dew Point | 0.01 °C (Calculated) | |
| | USB | Temperature | 0.01 °C | |
| | | Humidity | 0.01 % RH | |



CONSUMABLES (For Each Chamber - Chamber 1,2 and 3)

| | | | |
|---------------|-----------------------|---|--|
| WATER | RESERVOIR | 200 ml (For Each Chamber - Chamber 1,2 and 3) | |
| | SPILL RESISTANT | Yes | |
| | REQUIRED FLUID | Distilled Water Only | |
| | EST. REFILL PERIOD | 15 Days to 1 Month (Typical) *Depends on Usage | |
| | FILL INDICATOR | Floating Ball | |
| DESICCANT | TYPE | Molecular Sieve | |
| | REPLACEMENT | When Indicating Desiccant is 3/4 Used | |
| | REPLACEMENT FREQUENCY | Depends Entirely on User Workload | |
| | LOCATION | Back Side Mounted | |
| | FASTENER | Desiccant Mounting Bracket Provided | |
| RECALIBRATION | FREQUENCY | Depends on User Uncertainty Requirements Once Per Year Recommended | |

**Information subject to change, please visit our website for updates at www.geocalibration.com.

MECHANICAL

| | | | | |
|--|-------------------------|------------------------------------|--------------------------|----------------------|
| CHAMBER QUANTITY | 3 | | | |
| GENERATOR DIMENSIONS | Measurement Type | Width | Depth | Height |
| | Metric | 48.91 cm | 52.07 cm | 43.51 cm |
| | English | 19.25 in | 20.50 in | 17.13 in |
| CHAMBER DIMENSIONS (For Each Chamber - Chamber 1,2 and 3) | Measurement Type | Width | Depth | Height |
| | Metric | 19.50 cm | 13.00 cm | 7.45 cm |
| | English | 7.68 in | 5.12 in | 2.93 in |
| WORKING DIMENSIONS AND VOLUME (For Each Chamber - Chamber 1,2 and 3) | Measurement Type | Width | Depth | Height |
| | Metric | 19.50 cm | 13.00 cm | 7.45 cm |
| | English | 7.68 in | 5.12 in | 2.93 in |
| | Volume | 1.5 Liter Effective Working Volume | | |
| WEIGHT | Unit Only | Metric | 29.48 kg | |
| | | English | 65.00 lb | |
| STANDARD PORT QUANTITY (For Each Chamber - Chamber 1,2 and 3) | Depends on doors | Availability: 3 Ports | | |
| PROBE ANALOG OUTPUTS AVAILABLE | 0 - 1 Volt | Probe Range | Actual Unit Range | |
| | | Temperature | - 40.00 to + 60.00 °C | + 5.00 to + 55.00 °C |
| | | Humidity | 0 to + 100.00 % | + 5.00 to + 95.00 % |

ELECTRICAL

| | |
|--|---------------------------|
| AC VOLTAGE | 100-240 VAC, 47-63 Hz @5A |
| POWER CONSUMPTION | 440 Watts (VA) |
| TRANSDUCER POWER OUTPUT (For Each Chamber - Chamber 1,2 and 3) | 12 Volt DC @ 1A |

Ordering Information *Customization is Available

Standard Supply Package

* Complete Accessory List is Available at www.geocalibration.com

| | | |
|--|--------------------|-----------------------|
| Square 3-Port Door | Desiccant Canister | Fill Syringe |
| 7 Grommets (1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8") | Mains Power Cord | Calibration Documents |

Optional Supply Package

| | | |
|---------------------------|---|--------------------------------------|
| Extended Control Ranges | Integrated PC with Computer Monitor and Wifi Connection | Automatic Validation and Calibration |
| Report and Log Generation | Chilled Mirror | |

Accessories


| Doors | Part Number | Shape | Port Quantity | Connector Type | | |
|------------|----------------|--------------------------------|----------------|----------------|---------------------------------|----------------|
| | 01-001-00-0001 | Round | 3-Port Door | M36 Connectors | | |
| | 01-001-00-0002 | Round | 3-Port Door | SLIMLINE | | |
| Grommets | Port Type | Size (in) | Size (mm) | Port Type | Size (in) | Size (mm) |
| | M36 | 0.000" - 1.000" | 0.000 - 25.400 | SLIMLINE | 0.125" - 1.000" | 3.175 - 25.400 |
| Additional | Part Number | Description | | Part Number | Description | |
| | 01-200-11-0001 | Desiccant Canister w/ Material | | 01-100-07-0001 | Model 1000SP Acrylic Base Plate | |
| | 01-200-36-0011 | 2 Part Desiccant Tool | | | | |

**Information subject to change, please visit our website for updates at www.geocalibration.com.



GEO
Calibration
Humidity Control Company



Proudly Made in the USA 

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