



**GEO**

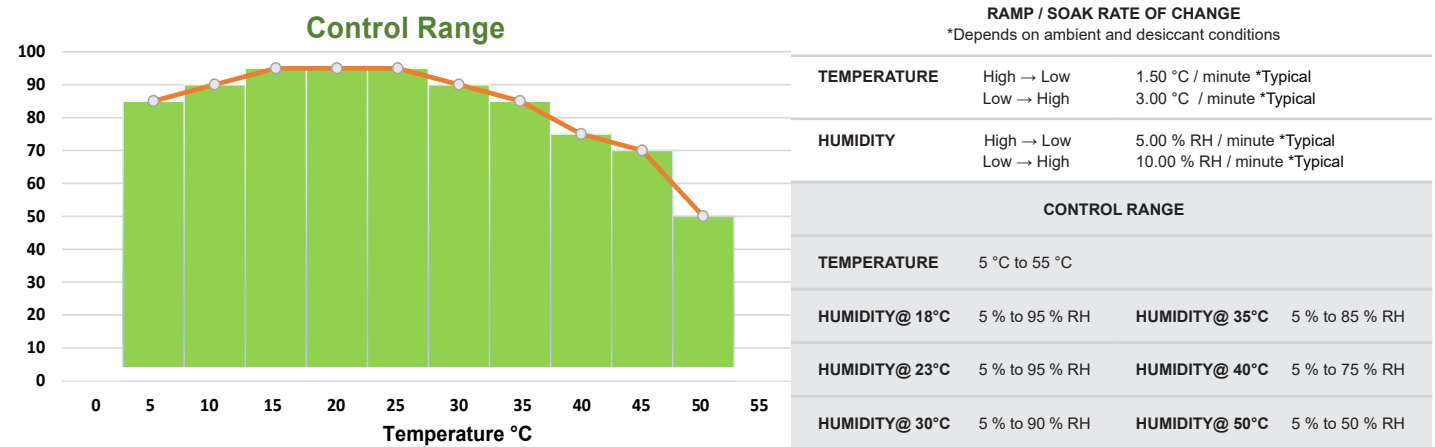
**Calibration**

**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
	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](http://www.geocalibration.com).

# MECHANICAL

<b>CHAMBER QUANTITY</b>	3			
<b>GENERATOR DIMENSIONS</b>	<b>Measurement Type</b>	<b>Width</b>	<b>Depth</b>	<b>Height</b>
	Metric	48.91 cm	52.07 cm	43.51 cm
	English	19.25 in	20.5 in	17.13 in
<b>CHAMBER DIMENSIONS</b> (For Each Chamber - Chamber 1,2 and 3)	<b>Measurement Type</b>	<b>Width</b>	<b>Depth</b>	<b>Height</b>
	Metric	19.50 cm	13.00 cm	7.45 cm
	English	7.68 in	5.12 in	2.93 in
<b>WORKING DIMENSIONS AND VOLUME</b> (For Each Chamber - Chamber 1,2 and 3)	<b>Measurement Type</b>	<b>Width</b>	<b>Depth</b>	<b>Height</b>
	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		
<b>WEIGHT</b>	Unit Only	Metric	29.48 kg	
		English	65.00 lb	
<b>STANDARD PORT QUANTITY</b> (For Each Chamber - Chamber 1,2 and 3)	Depends on doors	Availability: 3 Ports		
<b>PROBE ANALOG OUTPUTS AVAILABLE</b>	0 - 1 Volt	<b>Probe Range</b>	<b>Actual Unit Range</b>	
		Temperature	- 40.00 to + 60.00 °C	+ 5.00 to + 55.00 °C
		Humidity	0 to + 100.00 %	+ 5.00 to + 95.00 %

# ELECTRICAL

<b>AC VOLTAGE</b>	100-240 VAC, 47-63 Hz @5A
<b>POWER CONSUMPTION</b>	440 Watts (VA)
<b>TRANSDUCER POWER OUTPUT</b> (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](http://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				

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**GEO**  
*Calibration*  
Humidity Control Company



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