

GEO *Calibration*

Model 4000 EXP

PRODUCT OVERVIEW

GENERAL SPECIFICATIONS

CALIBRATION TO (17025 TRACEABLE TO NIST)	TRANSFER STANDARD	No Charge		
	CERTIFICATE	17025 Validation (Additional Fees Apply)		
CONTROLLED RANGE	TEMPERATURE	Ambient +/-5 °C		
	HUMIDITY@18 °C	10 % to 70 % RH		
	HUMIDITY@23 °C	10 % to 90 % RH		
	HUMIDITY@28 °C	10 % to 70 % RH		
CALIBRATION SYSTEM ACCU- RACY	TEMPERATURE	± 0.3 °C Or Better	*Based on Probe Accuracy	
	HUMIDITY	± 3.0 % RH Or Better	*Based on Probe Accuracy	
	CONTROLLER TYPE	PID Controller		
UNIFORMITY	TEMPERATURE	0.3 °C @ 23°C		
	HUMIDITY	3.0 % RH @ 23°C		
STABILITY	TEMPERATURE	0.2 °C		
	HUMIDITY	1 % RH @ 23°C		
RESOLUTION	DISPLAY	Temperature	0.1 °C	
		Humidity	0.1 % RH	
RAMP / SOAK RATE OF CHANGE <small>*Depends on ambient and desiccant conditions</small>	TEMPERATURE	High → Low	0.5 °C / minute	*Typical (Based on Desiccant)
		Low → High	1 °C / minute	*Typical (Based on Desiccant)
	HUMIDITY	High → Low	1 % RH / minute	*Typical (Based on Desiccant)
		Low → High	1 % RH / minute	*Typical (Based on Desiccant)

CONSUMABLES

WATER	RESERVOIR	600 ml		
	SPILL RESISTANT	No		
	REQUIRED FLUID	Distilled Water Only		
	EST. REFILL PERIOD	1 Week (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	External		
	FASTENER	Connect with Tube		
RECALIBRATION	FREQUENCY	Depends on User Uncertainty Requirements		
		Once Per Year Recommended		

MECHANICAL

BODY ENCLOSURE	Material	Powder Coated Aluminum		
	Measurement Type	Depth	Width	Height
GENERATOR DIMENSIONS	Metric	51.43 cm	41.76 cm	83.21 cm
	English	20.25 in	16.44 in	32.76 in
CHAMBER DIMENSIONS AND VOLUME	Measurement Type	Depth	Width	Height
	Metric	20.03 cm	31.77 cm	53.41 cm
	English	7.89 in	12.51 in	21.03 in
	Volume	30 Liter Effective Working Volume		
CHAMBER ENCLOSURE	Material	Insulated Acrylic		
WEIGHT	Metric	28 kg		
	English	61.75 lb		
POWER SUPPLY	Universal 100 - 260 VAC - 50/60 Hz			
EXTERNAL INTERFACE	USB	Cable		

Ordering Information

*Customization is Available

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

Standard Supply Package

6 Port Door	External Desiccant Assembly	Fill Syringe
7 Grommets (1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8")	Mains Power Cord	Calibration Documents

Accessories


Doors	Shape	Port Quantity	Connector Type	Part Number				
	Square / Round	6-Port Door	M36 Connectors	01-001-00-0017 / 01-001-00-0018				
	Square / Round	4-Port Door	M36 Connectors	01-001-00-0003 / 01-001-00-0004				
	Square / Round	4-Port Door	SLIMLINE	01-001-00-0024 / 01-001-00-0025				
	Square	2-Port Door	M36 Connectors	01-001-00-0028				
Grommets	Port Type	Size (in)	Size (mm)	Part Number	Port Type	Size (in)	Size (mm)	Part Number
	M36	0.000"	0.000	01-004-09-0001	SLIMLINE	0.125"	3.175	01-004-09-0020
	M36	0.125"	3.175	01-004-09-0002	SLIMLINE	0.250"	6.350	01-004-09-0021
	M36	0.250"	6.350	01-004-09-0003	SLIMLINE	0.375"	9.525	01-004-09-0022
	M36	0.375"	9.525	01-004-09-0004	SLIMLINE	0.500"	12.700	01-004-09-0023
	M36	0.500"	12.700	01-004-09-0005	SLIMLINE	0.625"	15.875	01-004-09-0024
	M36	0.625"	15.875	01-004-09-0006	SLIMLINE	0.750"	19.050	01-004-09-0025
	M36	0.750"	19.050	01-004-09-0007	SLIMLINE	0.825"	20.950	01-004-09-0026
	M36	0.875"	22.225	01-004-09-0008	SLIMLINE	1.000"	25.400	01-004-09-0027
	M36	1.000"	25.400	01-004-09-0009				
Additional	Description			Part Number	Description			Part Number
	External Desiccant			01-450-01-0034	Shelf			01-450-01-0023
	Spring Loaded Accessory			01-450-01-0030	(Various Desiccant Canisters Available For this Unit.)			



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Humidity Control Company



Proudly Made in the USA 

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