



GEO
Calibration

Model 4000 EXP

GENERAL SPECIFICATIONS

CALIBRATION	TRACEABILITY	17025 Traceable to NIST	
	PURCHASING	Charged Separately	
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 ACCURACY	TEMPERATURE	+/- 0.3 °C Or Better	
	HUMIDITY	+/- 3.0 % RH Or Better	
	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	Temperature	High → Low	1 °C / minute (Typical)
		Low → High	1 °C / minute (Typical)
	Humidity	High → Low	1 % RH / minute (Typical)
		Low → High	1 % RH / minute (Typical)

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 AND ELECTRICAL

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

Ordering Information

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	6-Port Door		M36 Connectors		01-001-00-0017		
	Round	6-Port Door		M36 Connectors		01-001-00-0018		
	Square	6-Port Door		Slimline Connectors		01-001-00-0024		
	Round	6-Port Door		Slimline Connectors		01-001-00-0025		
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				
Assorted	Description			Part Number	Description			Part Number
	External Desiccant			01-450-01-0034	Shelf			01-450-01-0023
	Spring Loaded Accessory			01-450-01-0030				



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Proudly Made in the USA



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