



GEO
Calibration

Hygro-Mini

PRODUCT OVERVIEW

GENERAL SPECIFICATIONS

CALIBRATION TO (17025 TRACEABLE TO NIST)	TRANSFER STANDARD	No Charge		
	CERTIFICATE	17025 Validation (Additional Fees Apply)		
OPERATING AMBIENT CONDITIONS	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)		
CONTROLLED RANGE	TEMPERATURE	18 °C to 35 °C @ Ambient Temperature 23 °C		
	HUMIDITY@ 18°C	5 % to 75% RH		
	HUMIDITY@ 23°C	5 % to 85 % RH		
	HUMIDITY@ 30°C	5 % to 80 % RH		
CALIBRATION SYSTEM ACCURACY	TEMPERATURE	± 0.10 °C	*Based on Probe Accuracy	
	HUMIDITY	± 1.00 % RH	*Based on Probe Accuracy	
	CONTROLLER TYPE	PID Controller		
UNIFORMITY	TEMPERATURE	0.20 °C		
	HUMIDITY	0.40 % RH @ 23 °C		
STABILITY	TEMPERATURE	0.10 °C		
	HUMIDITY	0.15 % RH @ 23 °C		
RAMP / SOAK RATE OF CHANGE *Depends on ambient and desiccant conditions	Temperature	High → Low	1.00 °C / minute	*Typical (Based on Desiccant)
		Low → High	1.00 °C / minute	*Typical (Based on Desiccant)
	Humidity	High → Low	3.00 % RH / minute	*Typical (Based on Desiccant)
		Low → High	3.00 % RH / minute	*Typical (Based on Desiccant)
WARM-UP PERIOD	Ambient Condition	30 Minutes Maximum		
	Cold	45 to 60 Minutes		
RESOLUTION	DISPLAY	Temperature	0.1 °C	
		Humidity	0.1 % RH	

CONSUMABLES

WATER	RESERVOIR	30 ml	
	SPILL RESISTANT	Yes	
	REQUIRED FLUID	Distilled Water Only	
	EST REFILL PERIOD	1 Month (Typical)	*Depends on Usage
	FILL INDICATOR	Front Panel	*Screen Icon
DESICCANT	TYPE	Indicating Molecular Sieve	
	SIZE	90 CC	
	REPLACEMENT	When Indicating Desiccant is 3/4 Used	
	REPLACEMENT FREQUENCY	Depends Entirely on User Workload	
	LOCATION	Front Side Mounted	
BATTERY	SIZE	6000 mAh 12 VDC	
	TYPE	Lithium-Ion	
	CYCLES	300 (Average)	*Typical
	AVERAGE USE TIME	3 Hours	
RECALIBRATION	FREQUENCY	Depends on User Uncertainty Requirements	
		Once Per Year Recommended	
EXTERNAL INTERFACE	USB	Cable and Software Included	

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

MECHANICAL

GENERATOR DIMENSIONS	Measurement Type	Width	Depth	Height
	Metric	26.97 cm	31.81 cm	11.00 cm
	English	10.62 in	12.52 in	4.33 in
WORKING DIMENSIONS AND VOLUME	Measurement Type	Depth	Diameter	
	Metric	16.49 cm	6.06 cm	
	English	6.49 in	2.39 in	
	Volume	0.15 Liter Effective Working Volume		
WEIGHT	Unit Only (With Desiccant)	Metric	4.00 kg	
		English	8.82 lb	
	Shipping	Metric	8.00 kg	
		English	17.64 lb	
POWER SUPPLY FOR EXTERNAL USE	Power Supply	12 Volt DC @ 10A		
STANDARD PORT QUANTITY	1 Port			
CAPACITY	1 RH Probe Size	6 - 25 mm		

Ordering Information

Standard Supply Package

*Customization is Available

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

Single Probe Port Door	Desiccant Canister	Fill Syringe
Mains Power Cord	Calibration Documents	

Accessories

Additional	Description	Part Number	Description	Part Number
	Saturator Cartridge	01-020-11-0001	Battery Replacement	01-020-36-0005
	Desiccant Canister w/ Material	01-020-11-0002		

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GEO
Calibration
Humidity Control Company



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