



Hygro-Mini

PRODUCT OVERVIEW

GENERAL SPECIFICATIONS

CALIBRATION TO	TRANSFER STANDARD	No Charge		
(17025 TRACEABLE TO NIST)	CERTIFICATE	17025 Validation (Additional Fees Apply)		
ODERATING AMRIENT CONDITIONS	TEMPERATURE	18 °C to 28 °C		
OPERATING AMBIENT CONDITIONS	HUMIDITY	Up to 80 % RH		
	TEMPERATURE	-20 °C to 50 °C		
STORAGE CONDITIONS CONTROLLED RANGE	HUMIDITY	0 % to 95 % RH (non-condensing)		
	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		
	TEMPERATURE	± 0.10 °C		*Based on Probe Accuracy
CALIBRATION SYSTEM 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		
CIABILITI	HUMIDITY	0.15 % RH @ 23 °C		
	Temperature	$High \rightarrow Low$	1.00 °C / minute	*Typical (Based on Desiccant)
RAMP / SOAK RATE OF CHANGE *Depends on ambient and desiccant	remperature	$Low \to High$	1.00 °C / minute	*Typical (Based on Desiccant)
conditions	Humidity	$High \to Low$	3.00 % RH / minute	*Typical (Based on Desiccant)
	ridinalty	$Low \to High$	3.00 % RH / minute	*Typical (Based on Desiccant)
WARM-UP PERIOD	Ambient Condition	30 Minutes Maximum		
<i>y.</i> . <u></u>	Cold	45 to 60 Minutes		
RESOLUTION	DISPLAY	Temperature	0.1 °C	
RESOLUTION		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	
	TYPE	Indicating Molecular Sieve	
DESICCANT	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-lon	
	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

	Measurement Type	Width	Depth	Height
GENERATOR DIMENSIONS	Metric	26.97 cm	31.81 cm	11.00 cm
	English	10.62 in	12.52 in	4.33 in
	Measurement Type	Depth	Diameter	
WORKING DIMENSIONS AND VOLUME	Metric	16.49 cm	6.06 cm	
WORKING DIMENSIONS AND VOLUME	English	6.49 in	2.39 in	
	Volume	0.15 Liter Effective Wor	rking Volume	
	Unit Only (With Desiccant)	Metric	4.00 kg	
WEIGHT		English	8.82 lb	
WEIGHT	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

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

Standard Supply Package

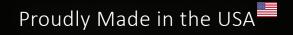
Single Probe Port Door	Desiccant Canister	Fill Syringe
Mains Power Cord	Calibration Documents	

Accessories

Addtional	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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