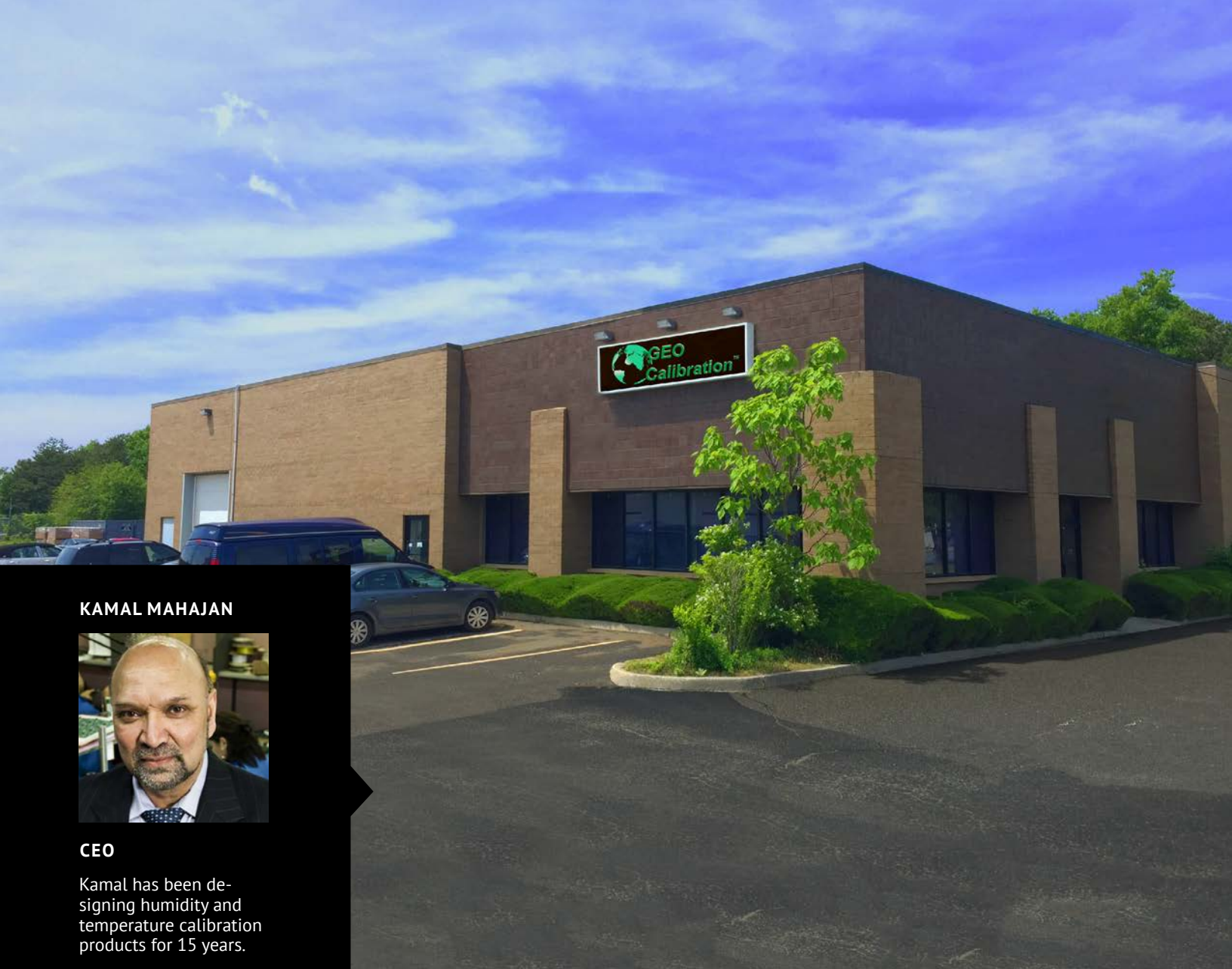




PRODUCT CATALOG

HUMIDITY AND TEMPERATURE CALIBRATORS





KAMAL MAHAJAN



CEO

Kamal has been designing humidity and temperature calibration products for 15 years.

GEO Calibration

Born in 2010, GEO has changed the face of the Humidity and Temperature Calibration market.

GEO Calibration is a premiere manufacturer and designer of humidity and temperature calibration products.

Originally a rapid prototyping laboratory, GEO products are made from the silicon up. We have full PCB assembly on site. The products are proudly manufactured in the USA, out of Ronkonkoma, NY. For this reason, we are able to rapidly innovate within the Humidity and Temperature marketplace, creating solutions within months, or sometimes weeks of receiving customer feedback.

Company History

Located in Ronkonkoma, NY, GEO Calibration has consistently pushed the boundaries of humidity and temperature control.

THE FIRST UNIT.

Back in 2004, it was difficult to find anyone using a single pressure humidity calibration device.

The industry was awash in salt solutions, plexi-glass “fish-tanks” and two pressure generators. At the time, the highest accuracy capacitive sensor was clocking in at around $\pm 2.0\%$ RH accuracy, and there were few good alternatives to the chilled mirror as an accurate reference.

Improvements to capacitive sensors led to the innovation of the single pressure humid-

ity generator. GEO (then AMP Design Solutions) designed and manufactured the Model 2000 humidity generator. This was the first unit to use a high density plastic design, a reverse vortex chamber insert, and the timed flow / heating element humidity generation method.

The current lineup of GEO Calibration humidity generators are all improvements on that original design, with variants for specific calibration use cases.

As a company, we continue to innovate and change the face of the Humidity and Temperature calibration with each new unit release.



The line assembly of 10 Model 2000 SPs. Marina (pictured above) has been with the company for 18 years.

Customer Support

At GEO we strive for the highest quality of customer support and education. We offer a one year warranty on all of our products (excluding physical damage). Customer's also have access to direct, GEO technical support by calling the business phone number.

If a customer happens to have a specialized application that they would like engineered for them, we are fully equipped and capable to deliver.

2016 in Numbers

+↑

10

New Calibrators

GEO Calibration offers customers the greatest choice when it comes to buying a humidity and temperature calibrator.

2016 has been a fantastic year for GEO Calibration Inc. We saw the introduction of our chamber line-up, and fully injected ourselves into market attending as many NCSLi regional shows as possible. As we continue to network and learn about industry demands, we will innovate and develop our product line so that you the consumer continue to choose GEO for our versatility.

+↑

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Distributors

We have seen a rapid growth in our sales network.

Interested? Email sales@GeoCalibration.com

The NCSLi has been instrumental in our development as a company, and we are proud to serve on the steering committee for the Northeast Region. In 2016 and beyond, we are directing a significant amount of internal resources towards education and training in Humidity and Temperature calibration. We will open these resources to all NCSLi members.

+↑

7

Accessories

GEO now offers the largest array of doors and probe ports, allowing calibration technicians great calibration versatility.

Rapid Growth

We are beginning to turn our R&D efforts. We are currently innovating a number of new product lines for future release within the humidity and temperature marketplace.

GEO has partnered with Brookhaven National Laboratory to develop a humidity and temperature control solution for the BNL Particle Accelerator.

Military or rugged field applications?

No problem.

The Model 2000 SHR comes with a hardened outer shell, sturdy handles and clamp covers.

New Live Demo System

Contact us today to schedule a real-time live demo. No software installation needed.

www.geocalibration.com/live-demo

What Lies Ahead?

Geo Calibration is actively looking into other Humidity and Temperature related markets. As our calibrators rely on the current calibration standards, we are working on improving the current standard with our own unique solution.



Live Demo Login

Our Units

GEO Calibration HQ is a fully equipped rapid prototyping and PCB Assembly facility.

Our Engineering staff takes direct feedback from the customer, and turns it into real products with unrivaled speed.

The Modular design of GEO's humidity calibration chambers allow for versatility in the work environment (Calibration labs). The four screws on the front of the unit, along with our rapid-seal system allow for the technician to choose the proper door for their workload.

For instance, if someone

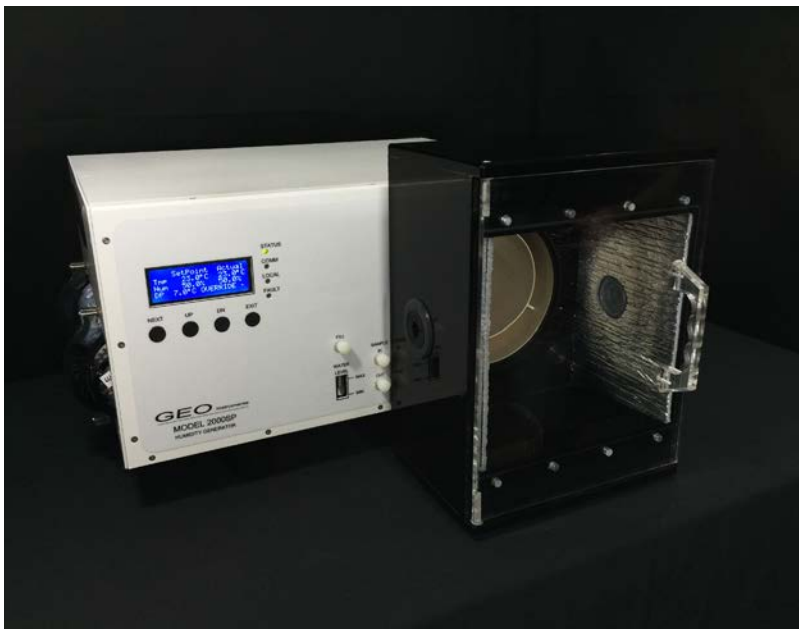
is calibrating a chart recorder, we have an XL door extension that allows them to fit the entire chart recorder and sensor into the chamber for verification and calibration purposes.

Similarly, for dataloggers we have an expansion door that supports three porous racks on which the dataloggers

- + Humidity and Temperature Calibrators
- + Calibration Software
- + Rapid Prototyping
- + Unparalleled Customer Support
- + Modular Design
- + Challenge Standards
- + Customer Education
- + Remote Calibration
- + Scientific R&D
- + Customization
- + Industry Innovation



Modular Design



can rest and be exposed to the controlled conditions within the chamber.

The use of expansion doors on GEO Calibration Chambers depends entirely on your accuracy tolerance. If you have an accuracy requirement of $\pm 2\%$, these units are ideal for your application.

We also have quick release probe ports for fast changing. These are ideal for the field technician, as you will frequently encounter various probe sizes at customer locations. Our versatile line up of probe port configurations allows you to calibrate any probe size

from 6 - 32 mm, and now, with our slim line probe ports, you can calibrate short probes as well.

The sample ports on the front of the instrument allow you to use a chilled mirror as an external secondary reference. Keep in mind that these ports are an optional extra, and do not come standard with the purchase of a GEO Calibration unit.

The New Hygro Mini

Portable, battery powered humidity & temperature generator / calibrator.

Features:

2 Hour Battery
3 kg
± 1.0% RH or better

Spill Resistant
Operates in Various Orientations
26.5cm (D) x 27cm (W) x 11cm (H)



CONTROL

Range	RH	10% to 80%	@ 23°C
	Temperature	10°C to 40°C	
	Dew Point	10°C to 45°C	
Uniformity	RH	±0.3%	@ 10% to 50%
		±0.4%	@ 50% to 80%
	Temperature	±0.2°C	@ 50%RH
Stability at Equilibrium	RH	± 0.3%	@ 23°C
	Temperature	± 0.2°C	
Controller Type	Embedded multi input PID controller, LCD		
Resolution	RH	0.1%	
	Temperature	0.1°C	
Generation Method	Mixed flow with desiccant dryer cell and Heating element humidifier		

PERFORMANCE

Response Time	RH	7 Minutes	
	Temperature	Cooling	1.5°C / Minute
		Heating	5°C / Minute
Calibration Uncertainties	RH	± 1.0%	@ 10 - 60%
		± 1.25%	@ 60 - 80%
	Temperature	± 0.4°C	
Control Probe	RH Uncertainty	± 0.5%	@ 23°C
	Calibration Certificate	Traceable to NIST	
Battery Life	Ideal Conditions	5 Hours	

STANDARD FEATURES

Reservoir	Capacity	20 ml
	Spill Proof	Yes
	Water Quality	Distilled
	Est Refill Period	1 Week *Typical
	Fill Indicator	On Screen Low Warning
Desiccant	Type	Molecular Sieve
External Interface	USB	Cable and Software Included

MECHANICAL / ELECTRICAL

Generator	Dimensions	26.5 cm (D) x 27 cm (W) x 11 cm (H)
	Enclosure Material	Powder Coated Aluminum
	Power Supply	Universal 100 - 260 VAC - 50/60 Hz
Chamber	Dimensions	19 cm (D) x 19.5 cm (W) x 7.5 cm (H)
	Capacity	1 rH Probe from 6 - 32 mm
	Material	Insulated Plastic
	Weight	4 kg
Probe Power Supply	Power Supply	12 Volt DC @ 1A
Probe Ports	Port Total	1 Port
Probe Port Sizes	Standard	12.5 mm, 19 mm and 25 mm
	Custom	6 mm to 32 mm

CONTACT US:

The Model 1500

The original compact humidity generator from GEO.
Lightweight, accurate, efficient.

Features:

Portable Design
Spill Resistant
Custom Probe Ports

8.4 kg
± 1.0% RH or better
37cm (D) x 46cm (W) x 16cm (H)



CONTROL

Range	RH	10% to 95%	@ 23°C
	Temperature	10 to 55°C	
	Dew Point	- 25°C to 45°C	
Uniformity	RH	±0.3%	@ 10% to 50%
		±0.4%	@ 50% to 90%
		±0.5%	@ 90% to 95%
	Temperature	±0.2°C	@ 50%RH
Stability at Equilibrium	RH	± 0.3%	@ 23°C
	Temperature	± 0.2°C	
Controller Type	Embedded multiple input PID controller, LCD		
Resolution	RH	0.1%	
	Temperature	0.1°C	
Generation Method	Mixed flow with desiccant dryer cell and heating element humidifier		

PERFORMANCE

Response Time	RH	3 - 5 Minutes	
	Temperature	Cooling	1.5°C / Minute
		Heating	5°C / Minute
Calibration Uncertainties	RH	± 1.0%	@ 10 - 80%
		± 1.25%	@ 80 - 95%
	Temperature	± 0.2°C	
Control Probe	RH Uncertainty	± 0.5%	@ 23°C
	Calibration Certificate	Traceable to NIST	

STANDARD FEATURES

Water	Reservoir	50 ml
	Spill Resistant	Yes
	Water Quality	Distilled
	Est Refill Period	1 Month *Typical
	Fill Indicator	Front Panel
Desiccant	Type	Molecular Sieve
External Interface	USB	Cable and Software Included

OPTIONAL FEATURES

External Reference	Outlet and Inlet	Plastic fittings to prevent condensation
	Size	1/4" turn quick connectors
Analog Outputs	Temperature / RH	Analog 0 - 1 Volt

MECHANICAL / ELECTRICAL

Generator	Dimensions	37 cm (D) x 46 cm (W) x 16 cm (H)
	Enclosure Material	Powder Coated Aluminum
	Power Supply	Universal 100 - 260 VAC - 50/60 Hz
Chamber	Dimensions	19 cm (D) x 19.5 cm (W) x 7.5 cm (H)
	Volume	1 Liter Effective Working Volume
	Material	Insulated Plastic
		8.4 kg
Weight	Power Supply	12 Volt DC @ 1A
Probe Power Supply	Port Total	3 Ports
Probe Ports	Standard	12.5 mm, 19 mm and 25 mm
Probe Port Sizes	Custom	6 mm to 32 mm

CONTACT US:



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The New Model 1000

Compact, light weight humidity generator featuring quick-change desiccant and improved air flow.

Features:

Quick Change Desiccant
Spill Resistant
Custom Probe Ports

8.4 kg
± 1.0% RH or better
30cm (D) x 46cm (W) x 16cm (H)



CONTROL			STANDARD FEATURES		
Range	RH 5% to 95%	@ 23°C	Water	Reservoir 50 ml	
	Temperature 10 to 55°C			Spill Resistant Yes	
	Dew Point -25°C to 45°C			Water Quality Distilled	
Uniformity	RH ±0.3%	@ 5% to 50%		Est Refill Period 1 Month	*Typical
	±0.4%	@ 50% to 90%		Fill Indicator Front Panel	
	±0.5%	@ 90% to 95%	Desiccant	Type Molecular Sieve	
	Temperature ±0.2°C	@ 50%RH	External Interface	USB Cable and Software Included	
Stability at Equilibrium	RH ± 0.3%	@ 23°C	OPTIONAL FEATURES		
	Temperature ± 0.2°C		External Reference	Outlet and Inlet Plastic fittings to prevent condensation	
Controller Type	Embedded multi input PID controller, LCD			Size 1/4" turn quick connectors	
Resolution	RH 0.1%		Analog Outputs	Temperature / RH Analog 0 - 1 Volt	
	Temperature 0.1°C		MECHANICAL / ELECTRICAL		
Generation Method	Mixed flow with desiccant dryer cell and Heating element humidifier		Generator	Dimensions 30 cm (D) x 46 cm (W) x 16 cm (H)	
PERFORMANCE				Enclosure Material Powder Coated Aluminum	
Response Time	RH 3 - 5 Minutes			Power Supply Universal 100 - 260 VAC - 50/60 Hz	
	Temperature Cooling 1.5°C / Minute		Chamber	Dimensions 19 cm (D) x 19.5 cm (W) x 7.5 cm (H)	
	Heating 5°C / Minute			Volume 1 Liter Effective Working Volume	
Calibration	RH ± 1.0%	@ 10 - 80%		Material Insulated Plastic	
Uncertainties	± 1.25%	@ 80 - 95%	Weight	8.4 kg	
	Temperature ± 0.2°C		Probe Power Supply	Power Supply 12 Volt DC @ 1A	
Control Probe	RH Uncertainty ± 0.5%	@ 23°C	Probe Ports	Port Total 3 Ports	
	Calibration Certificate Traceable to NIST		Probe Port Sizes	Standard 12.5 mm, 19 mm and 25 mm	
				Custom 6 mm to 32 mm	

CONTACT US:



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The Model 2000 SP

The 2000 line of humidity generators have the highest capacity, and uniformity of all our Humidity Generators.

Features:

Chart Recorder Door
Quick Release Door
High Capacity Door

2 Liter Chamber Capacity
Stability Insert
Best Uniformity



CONTROL

Range	RH 5% to 95%	@ 23°C
	Temperature 5 to 55°C	
	Dew Point -25°C to 45°C	
Uniformity	RH ±0.2%	@ 5% to 50%
	±0.3%	@ 50% to 90%
	±0.4%	@ 90% to 95%
	Temperature ±0.2°C	@ 50%RH
Stability at Equilibrium	RH ±0.3%	@ 23°C
	Temperature ±0.1°C	
Controller Type	Embedded multiple input PID controller, LCD	
Resolution	RH 0.1%	
	Temperature 0.1°C	
Generation Method	Mixed flow with desiccant dryer cell and heating element humidifier	

PERFORMANCE

Response Time	RH 3 - 5 Minutes	
	Temperature Cooling	1.5°C / Minute
	Heating	5°C / Minute
Calibration Uncertainties	RH ± 1.0%	@ 10 - 80%
	± 1.25%	@ 80 - 95%
	Temperature ± 0.2°C	
Control Probe	RH Uncertainty ± 0.5%	@ 23°C
	Calibration Certificate	Traceable to NIST

STANDARD FEATURES

Water	Reservoir 150 mL
	Spill Resistant Yes
	Water Quality Distilled
	Est Refill Period 1 Month *Typical
	Fill Indicator Front Panel
Desiccant	Type Molecular Sieve
External Interface	USB Cable and Software Included

OPTIONAL FEATURES

External Reference	Outlet and Inlet Plastic fittings to prevent condensation
	Size 1/4" turn quick connectors
Analog Outputs	Temperature / RH Analog 0 - 1 Volt

MECHANICAL / ELECTRICAL

Generator	Dimensions 37 cm (D) x 46 cm (W) x 23 cm (H)
	Enclosure Material Powder Coated Aluminum
	Power Supply Universal 100 - 260 VAC - 50/60 Hz
Chamber	Dimensions 19 cm (Depth) x 14.5 cm (Diameter)
	Volume 2 Liter Effective Working Volume
	Material Insulated Plastic
	14 kg
Weight	
Probe Power Supply	Power Supply 12 Volt DC @ 1A
Probe Ports	Port Total 4 Ports
Probe Port Sizes	Standard 12.5 mm, 19 mm and 25 mm
	Custom 6 mm to 32 mm

CONTACT US:



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The Model 2000 DFB

Purpose built for rapid probe calibration, the 2000 DFB features a patented method of reading, recording and plotting analog probe data output.

Features:

Analog Probe Reader
Automatic Ramp / Soak
Live Probe Feedback

DFB Software Integration
Technician Profiles
Digital Log Output



CONTROL

Range	RH 5% to 95%	@ 23°C
	Temperature 5 to 55°C	
	Dew Point -25°C to 45°C	
Uniformity	RH ±0.2%	@ 5% to 50%
	±0.3%	@ 50% to 90%
	±0.4%	@ 90% to 95%
	Temperature ±0.2°C	@ 50%RH
Stability at Equilibrium	RH ± 0.3%	@ 23°C
	Temperature ± 0.1°C	
Controller Type	Embedded multiple input PID controller, LCD	
Resolution	RH 0.1%	
	Temperature 0.1°C	
Generation Method	Mixed flow with desiccant dryer cell and heating element humidifier	

PERFORMANCE

Response Time	RH 3 - 5 Minutes	
	Temperature Cooling	1.5°C / Minute
	Heating	5°C / Minute
Calibration Uncertainties	RH ± 1.0%	@ 10 - 80%
	± 1.25%	@ 80 - 95%
	Temperature ± 0.2°C	
Control Probe	RH Uncertainty ± 0.5%	@ 23°C
	Calibration Certificate	Traceable to NIST

STANDARD FEATURES

Water	Reservoir 150 mL
	Spill Resistant Yes
	Water Quality Distilled
	Est Refill Period 1 Month *Typical
	Fill Indicator Front Panel
Desiccant	Type Molecular Sieve
External Interface	USB Cable and Software Included
Digital Feedback (DFB)	Digitally record live analog probe data with internal reference, for automatic calibrations.

OPTIONAL FEATURES

External Reference	Outlet and Inlet Plastic fittings to prevent condensation
	Size 1/4" turn quick connectors
Analog Outputs	Temperature / RH Analog 0 - 1 Volt

MECHANICAL / ELECTRICAL

Generator	Dimensions 37 cm (D) x 46 cm (W) x 23 cm (H)
	Enclosure Material Powder Coated Aluminum
	Power Supply Universal 100 - 260 VAC - 50/60 Hz
Chamber	Dimensions 19 cm (Depth) x 14.5 cm (Diameter)
	Volume 2 Liter Effective Working Volume
	Material Insulated Plastic
	Weight 14 kg
Weight	
Probe Power Supply	Power Supply 12 Volt DC @ 1A
Probe Ports	Port Total 4 Ports
Probe Port Sizes	Standard 12.5 mm, 19 mm and 25 mm
	Custom 6 mm to 32 mm

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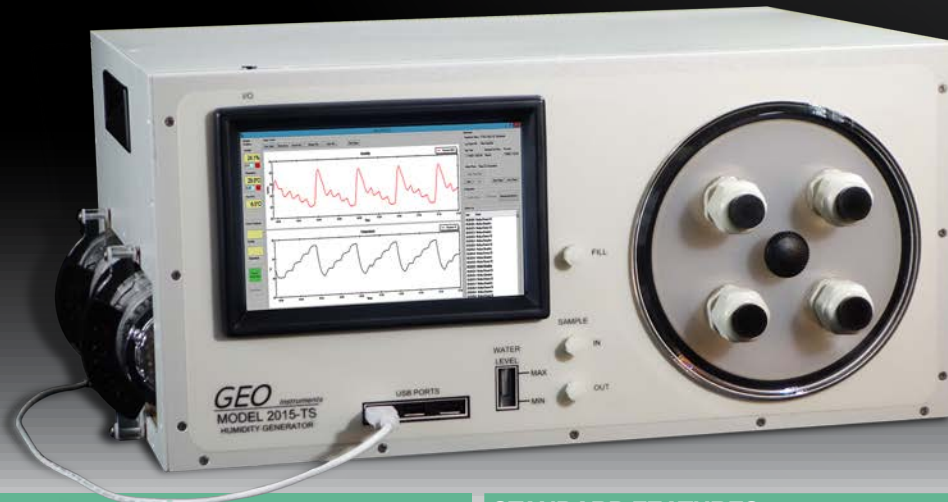
The Model 2015 TS

The Model 2015 TS Humidity Generator has a touch screen display, and comes with our Automatic Calibration Software included.

Features

7 Inch Touch Display
3 Port USB Interface
Unique Technician Profiles

Graphing Software
Automatic Ramp / Soak
Remote Login Capability



CONTROL			STANDARD FEATURES		
Range	RH	5% to 95% @ 23°C	Water	Reservoir	150 mL
	Temperature	5 to 55°C		Spill Resistant	Yes
	Dew Point	-25°C to 45°C		Water Quality	Distilled
Uniformity	RH	±0.2% @ 5% to 50%		Est Refill Period	1 Month *Typical
		±0.3% @ 50% to 90%		Fill Indicator	Front Panel
		±0.4% @ 90% to 95%	Desiccant	Type	Molecular Sieve
	Temperature	±0.2°C @ 50%RH	Touch Screen	7 inch	Software Included
Stability at Equilibrium	RH	± 0.3% @ 23°C	USB Ports	3 Female Ports	Allows for Keyboard and Mouse
	Temperature	± 0.1°C	OPTIONAL FEATURES		
Controller Type	Embedded multiple input PID controller, LCD				
Resolution	RH	0.1%	External Reference	Outlet and Inlet	Plastic fittings to prevent condensation
	Temperature	0.1°C		Size	1/4" turn quick connectors
Generation Method	Mixed flow with desiccant dryer cell and heating element humidifier				
PERFORMANCE					
Response Time	RH	3 - 5 Minutes	Analog Outputs	Temperature / RH	Analog 0 - 1 Volt
	Temperature	Cooling 1.5°C / Minute	MECHANICAL / ELECTRICAL		
		Heating 5°C / Minute	Generator	Dimensions	37 cm (D) x 46 cm (W) x 23 cm (H)
Calibration Uncertainties	RH	± 1.0% @ 10 - 80%		Enclosure Material	Powder Coated Aluminum
		± 1.25% @ 80 - 95%	Chamber	Power Supply	Universal 100 - 260 VAC - 50/60 Hz
	Temperature	± 0.2°C		Dimensions	19 cm (Depth) x 14.5 cm (Diameter)
Control Probe	RH Uncertainty	± 0.5% @ 23°C		Volume	2 Liter Effective Working Volume
	Calibration Certificate	Traceable to NIST	Weight	Material	Insulated Plastic
					14 kg
			Probe Power Supply	Power Supply	12 Volt DC @ 1A
			Probe Ports	Port Total	4 Ports
			Probe Port Sizes	Standard	12.5 mm, 19 mm and 25 mm
				Custom	6 mm to 32 mm

CONTACT US:



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The Model 2000 SH

The Model 2015 TS Humidity Generator has a touch screen display, and comes with our Automatic Calibration Software included.

Features

7 Inch Touch Display
3 Port USB Interface
Unique Technician Profiles

Graphing Software
Automatic Ramp / Soak
Remote Login Capability



CONTROL

Range	RH	5% to 95%	@ 23°C
	Temperature	5 to 55°C	
	Dew Point	-25°C to 45°C	
Uniformity	RH	±0.2%	@ 5% to 50%
		±0.3%	@ 50% to 90%
		±0.4%	@ 90% to 95%
	Temperature	±0.2°C	@ 50%RH
Stability at Equilibrium	RH	± 0.3%	@ 23°C
	Temperature	± 0.1°C	
Controller Type	Embedded multiple input PID controller, LCD		
Resolution	RH	0.1%	
	Temperature	0.1°C	
Generation Method	Mixed flow with desiccant dryer cell and heating element humidifier		

PERFORMANCE

Response Time	RH	3 - 5 Minutes	
	Temperature	Cooling	1.5°C / Minute
		Heating	5°C / Minute
Calibration Uncertainties	RH	± 1.0%	@ 10 - 80%
		± 1.25%	@ 80 - 95%
	Temperature	± 0.2°C	
Control Probe	RH Uncertainty	± 0.5%	@ 23°C
	Calibration Certificate	Traceable to NIST	

STANDARD FEATURES

Water	Reservoir	150 mL
	Spill Resistant	Yes
	Water Quality	Distilled
	Est Refill Period	1 Month *Typical
	Fill Indicator	Front Panel
Desiccant	Type	Molecular Sieve
Touch Screen	7 inch	Software Included
USB Ports	3 Female Ports	Allows for Keyboard and Mouse

OPTIONAL FEATURES

External Reference	Outlet and Inlet	Plastic fittings to prevent condensation
	Size	1/4" turn quick connectors
Analog Outputs	Temperature / RH	Analog 0 - 1 Volt

MECHANICAL / ELECTRICAL

Generator	Dimensions	37 cm (D) x 46 cm (W) x 23 cm (H)
	Enclosure Material	Powder Coated Aluminum
	Power Supply	Universal 100 - 260 VAC - 50/60 Hz
Chamber	Dimensions	19 cm (Depth) x 14.5 cm (Diameter)
	Volume	2 Liter Effective Working Volume
	Material	Insulated Plastic
	Weight	14 kg
Probe Power Supply	Power Supply	12 Volt DC @ 1A
Probe Ports	Port Total	4 Ports
Probe Port Sizes	Standard	12.5 mm, 19 mm and 25 mm
	Custom	6 mm to 32 mm

CONTACT US:



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The Model 2000 SHR

The Model 2015 TS Humidity Generator has a touch screen display, and comes with our Automatic Calibration Software included.

Features

Ruggedized Outer Shell
Front Mounted Desiccant
Backlit Fill Indicator

Front and Rear Clamp Covers
Automatic Ramp / Soak
High Strength Handles



CONTROL

Range	RH 5% to 95%	@ 23°C
	Temperature 5 to 55°C	
	Dew Point -25°C to 45°C	
Uniformity	RH ±0.2%	@ 5% to 50%
	±0.3%	@ 50% to 90%
	±0.4%	@ 90% to 95%
	Temperature ±0.2°C	@ 50%RH
Stability at Equilibrium	RH ± 0.3%	@ 23°C
	Temperature ± 0.1°C	
Controller Type	Embedded multiple input PID controller, LCD	
Resolution	RH 0.1%	
	Temperature 0.1°C	
Generation Method	Mixed flow with desiccant dryer cell and heating element humidifier	

PERFORMANCE

Response Time	RH 3 - 5 Minutes	
	Temperature Cooling	1.5°C / Minute
	Heating	5°C / Minute
Calibration Uncertainties	RH ± 1.0%	@ 10 - 80%
	± 1.25%	@ 80 - 95%
	Temperature ± 0.2°C	
Control Probe	RH Uncertainty ± 0.5%	@ 23°C
	Calibration Certificate	Traceable to NIST

STANDARD FEATURES

Water	Reservoir 150 mL
	Spill Resistant Yes
	Water Quality Distilled
	Est Refill Period 1 Month *Typical
	Fill Indicator Front Panel
Desiccant	Type Molecular Sieve
Touch Screen	7 inch Software Included
USB Ports	3 Female Ports Allows for Keyboard and Mouse

OPTIONAL FEATURES

External Reference	Outlet and Inlet Plastic fittings to prevent condensation
	Size 1/4" turn quick connectors
Analog Outputs	Temperature / RH Analog 0 - 1 Volt

MECHANICAL / ELECTRICAL

Generator	Dimensions 37 cm (D) x 46 cm (W) x 23 cm (H)
	Enclosure Material Powder Coated Aluminum
	Power Supply Universal 100 - 260 VAC - 50/60 Hz
Chamber	Dimensions 19 cm (Depth) x 14.5 cm (Diameter)
	Volume 2 Liter Effective Working Volume
	Material Insulated Plastic
	Weight 14 kg
Weight	
Probe Power Supply	Power Supply 12 Volt DC @ 1A
Probe Ports	Port Total 4 Ports
Probe Port Sizes	Standard 12.5 mm, 19 mm and 25 mm
	Custom 6 mm to 32 mm

CONTACT US:



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 USA

The New Model 4000



Features:

Analog Probe Reader
Automatic Ramp / Soak
Live Probe Feedback

DFB Software Integration
Technician Profiles
Digital Log Output

CONTROL

Range	RH	5% to 95%	@ 23°C
	Temperature	5 to 55°C	
	Dew Point	-25°C to 45°C	
Uniformity	RH	±0.2%	@ 5% to 50%
		±0.3%	@ 50% to 90%
		±0.4%	@ 90% to 95%
	Temperature	±0.2°C	@ 50%RH
Stability at Equilibrium	RH	±0.2%	@ 23°C
	Temperature	±0.1°C	
Controller Type	Embedded multiple input PID controller, LCD		
Resolution	RH	0.1%	
	Temperature	0.1°C	
Generation Method	Mixed flow with desiccant dryer cell and heating element humidifier		

PERFORMANCE

Response Time	RH	3 - 5 Minutes	
	Temperature	Cooling	1.5°C / Minute
		Heating	5°C / Minute
Calibration Uncertainties	RH	± 1.0%	@10 - 80%
		± 1.25%	@ 80 - 95%
	Temperature	± 0.2°C	
Control Probe	RH Uncertainty	± 0.5%	@ 23°C
	Calibration Certificate	Traceable to NIST	

STANDARD FEATURES

Water	Reservoir	150 mL
	Spill Resistant	Yes
	Water Quality	Distilled
	Est Refill Period	1 Month *Typical
	Fill Indicator	Front Panel
Desiccant	Type	Molecular Sieve
External Interface	USB	Cable and Software Included
Digital Feedback (DFB)	Digitally record live analog probe data with internal reference, for automatic calibrations.	

OPTIONAL FEATURES

External Reference	Outlet and Inlet	Plastic fittings to prevent condensation
	Size	1/4" turn quick connectors
Analog Outputs	Temperature / RH	Analog 0 - 1 Volt

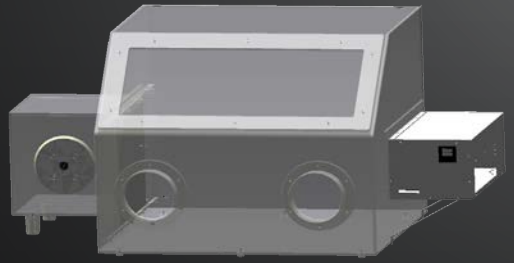
MECHANICAL / ELECTRICAL

Generator	Dimensions	37 cm (D) x 46 cm (W) x 23 cm (H)
	Enclosure Material	Powder Coated Aluminum
	Power Supply	Universal 100 - 260 VAC - 50/60 Hz
Chamber	Dimensions	19 cm (Depth) x 14.5 cm (Diameter)
	Volume	2 Liter Effective Working Volume
	Material	Insulated Plastic
	Weight	14 kg
Probe Power Supply	Power Supply	12 Volt DC @ 1A
Probe Ports	Port Total	4 Ports
Probe Port Sizes	Standard	12.5 mm, 19 mm and 25 mm
	Custom	6 mm to 32 mm

CONTACT US:



Remote Monitoring System



Glove Box



Model 4000

Model 2000 SHR

2016



Hygro Mini

Model 2000 SH



Model 1000

2015



Model 2000 DFB

2014



Model 1500



Model 2000 SP

2009



Model 2000

2005



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