

# 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

1 Liter Capacity  
Stability Insert  
Best Uniformity



### CONTROL

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

### PERFORMANCE

<b>Response Time</b>	RH 3-5 Minutes	
	Temperature Cooling	1.5°C / Minute
	Heating	5°C / Minute
<b>Calibration Uncertainties</b>	RH ± 1.0%	@ 10 - 80%
	± 1.25%	@ 80 - 95%
	Temperature ± 0.2°C	
<b>Control Probe</b>	RH Uncertainty ± .6%	@ 23°C
	Calibration Certificate	Traceable to NIST

### STANDARD FEATURES

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

### OPTIONAL FEATURES

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

### MECHANICAL / ELECTRICAL

<b>Generator</b>	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
<b>Chamber</b>	Dimensions 19 cm (Depth) x 14.5 cm (Diameter)
	Volume 2 Liter Effective Working Volume
	Material Insulated Plastic
	14 kg
<b>Weight</b>	
<b>Probe Power Supply</b>	Power Supply 12 Volt DC @ 1A
<b>Probe Ports</b>	Port Total 4 Ports
<b>Probe Port Sizes</b>	Standard 12.5 mm, 19 mm and 25 mm
	Custom 6 mm to 32 mm

CONTACT US:

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