

# 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		
<b>Range</b>	RH 7% to 95%	@ 23°C	<b>Water</b>	Reservoir 50 ml	
	Temperature 10 to 55°C			Spill Resistant Yes	
	Dew Point -25°C to 45°C			Water Quality Distilled	
<b>Uniformity</b>	RH ±0.3%	@ 7% to 50%		Est Refill Period 1 Month	*Typical
	±0.4%	@ 50% to 90%		Fill Indicator Front Panel	
	±0.5%	@ 90% to 95%	<b>Desiccant</b>	Type Molecular Sieve	
	Temperature ±0.2°C	@ 50%RH	<b>External Interface</b>	USB Cable and Software Included	
<b>Stability at Equilibrium</b>	RH ± 0.3%	@ 23°C	OPTIONAL FEATURES		
	Temperature ± 0.2°C		<b>External Reference</b>	Outlet and Inlet Plastic fittings to prevent condensation	
<b>Controller Type</b>	Embedded multi input PID controller, LCD			Size 1/4" turn quick connectors	
<b>Resolution</b>	RH 0.1%		<b>Analog Outputs</b>	Temperature / RH Analog 0 - 1 Volt	
	Temperature 0.1°C		MECHANICAL / ELECTRICAL		
<b>Generation Method</b>	Mixed flow with desiccant dryer cell and heating element humidifier		<b>Generator</b>	Dimensions 30 cm (D) x 46 cm (W) x 16 cm (H)	
PERFORMANCE				Enclosure Material Powder Coated Aluminum	
<b>Response Time</b>	RH 3 - 5 Minutes			Power Supply Universal 100 - 260 VAC - 50/60 Hz	
	Temperature Cooling 1.5°C / Minute		<b>Chamber</b>	Dimensions 19 cm (D) x 19.5 cm (W) x 7.5 cm (H)	
	Heating 5°C / Minute			Volume 1 Liter Effective Working Volume	
<b>Calibration</b>	RH ± 1.0%	@ 10 - 80%		Material Insulated Plastic	
<b>Uncertainties</b>	± 1.25%	@ 80 - 95%	<b>Weight</b>	8.4 kg	
	Temperature ± 0.2°C		<b>Probe Power Supply</b>	Power Supply 12 Volt DC @ 1A	
<b>Control Probe</b>	RH Uncertainty ± .6%	@ 23°C	<b>Probe Ports</b>	Port Total 3 Ports	
	Calibration Certificate Traceable to NIST		<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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 eXpanding possibilities



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