

The Model 2000 SHR

The Model 2000 SHR Humidity Generator is our first fully ruggedized unit for military and field applications.

Features

Ruggedized Outer Shell
Front Mounted Desiccant
Back-lit Fill Indicator

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



CONTROL

Range RH 5% to 95% @ 18°C - 30°C
Temperature 5 to 55°C

Uniformity RH ±0.2% @ 5% to 50%
±0.3% @ 50% to 90%
±0.3% @ 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 RH ±0.7% @ 5 - 80%

Uncertainties ±1.0% @ 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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