

# **Kaymont Consolidated**

0312

## **MODEL 2000SPA SPECIFICATIONS\***

System Accuracy @ 23°C, 5-95%RH ±1.0%RH (NVLAP Adjusted)  
Temperature Accuracy @ 23°C ± 0.2°C or better (NVLAP Adjusted)

### **Recommended Operational RH over Temperature Range to Avoid Condensation**

Humidity Range @ 15°C 5-90%RH  
Humidity Range @ 25°C 5-95%RH  
Humidity Range @ 30°C 5-90%RH  
Humidity Range @ 40°C 5-80%RH  
Humidity Range @ 50°C 5-70%RH

Temperature Range High 55°C  
Temperature Range Low\*\* 5°C\*\* (15°C to 18°C below ambient)  
Dew Point Range -25°C to 35°C\*\*\*  
Accuracy of NVLAP Calibration System ±0.5%RH and ±0.05°C\*\*\*\*  
Chamber Humidity Stability@23°C ±0.1%RH  
Chamber Temperature Stability@23°C ±0.1°C  
Chamber Humidity Uniformity@23°C ±0.1%RH @ 50%RH/23°C  
Chamber Temperature Uniformity@23°C ±0.1°C @ 50%RH  
Response Time @ 23°C 3-5 minutes (typical over range) \*\*\*\*\*  
Temperature Rate of Change (<<< temp) 1.0°C/minute (typical)  
Temperature Rate of Change (>>> temp) 5.0°C/minute (typical)  
Power Requirements 110/220VAC, 50/60 cycle  
Mechanical Weight 28# (14kg)  
Weight 32# (16kg) (shipping)  
Dimensions 45cm x 36cm x 21cm  
System Performance Verification 2-pressure method/reference compare (3)  
Chamber Probe Temp Compensated -40 to 60°C  
Calibration Certification NVLAP Accredited Laboratory\*\*\*\*\*  
CE Conformance Testing EN55022, EN55024, ( EN61000-4-2,  
EN61000-4-4, EN61000-4-5, EN61000-4-6,  
EN61000-4-8, EN61000-4-11

### Standard Features

- 1) CE Conformance
- 2) Calibration of Control Probe at 23°C and 10%, 35%, 80% and 95%RH.
- 3) Comparison readings @ 23°C using Reference instrument that has been adjusted to readings of NVLAP 2-pressure settings (RH) and NIST traceable thermometer (temperature).Certificate of Calibrations from NVLAP Accredited Laboratory provided with documentation.

\* Typical performance specifications of system when using internal chamber.

\*\* Specified low temp is 15°-18°C below ambient. Use of insulated door is required.

\*\*\*Controlled Dew Point Range. Dew point not displayed. DP reference or Table of DP vs. RH/T required

\*\*\*\* Adjustment of system using standards calibrated by NVLAP 2-pressure readings as reference.

\*\*\*\*\* After chamber reaches and maintains temperature equilibrium

\*\*\*\*\*NVLAP Accredited laboratory Certificates of Calibration provided with system.

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