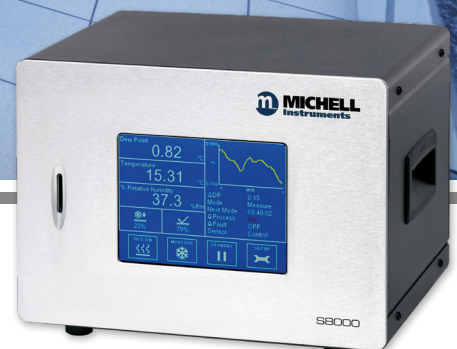


**Analytical
Industries Inc**

**MICHELL
Instruments**

rotronic
MEASUREMENT SOLUTIONS

Humidity and temperature calibration products



PROCESS SENSING TECHNOLOGIES (PST)

The PST group provides a comprehensive suite of instruments and analyzers for precision measurements in industrial process control, environmental monitoring and food/pharmaceutical processing. The PST Group has a global presence with multiple locations in Europe, Asia and the Americas and looks for more opportunities to continue its growth through investment into new markets.

BRANDS

Analytical Industries – Pomona, CA, USA
 Michell Instruments – Ely, UK
 Rotronic – Basserdorf, Switzerland

MARKET LEADER

Oxygen
 Dew Point
 Humidity and Temperature

GROUP FACTS

450+ Employees
 70+ Countries
 15+ Sales Offices



Humidity



Temperature



Dew Point



Water activity



Differential pressure



Oxygen



Flow



CO₂

ROTRONIC AG

The Rotronic HygroGen has defined the standard for portable and laboratory humidity and temperature calibration systems. This tool for the rapid generation of stable temperature and humidity conditions can save significant amounts of time in performing calibrations of all types of humidity instruments from all manufacturers.

rotronic

MEASUREMENT SOLUTIONS

HG2-S

- Chamber volume: 2 litres
- Working volume 1.5 litres
- Humidity changes (5...95 %RH, 0.1 %RH stability): <5 minutes
- Temperature changes (23...50 °C, 0.01 °C stability): < 5 minutes
- Calibration solution for the laboratory and on-site
- Calibrate multiple probes simultaneously
- Designed for Rotronic or other humidity and temperature probes



HG2-XL

- Chamber volume: 20 litres
- Working volume 17 litres
- Humidity changes (5...95 %RH, 0.1 %RH stability): <15 minutes
- Temperature changes (23...50 °C, 0.01 °C stability): < 15 minutes
- Calibration solution for the laboratory
- Calibrate probes, data loggers, hand helds and chart recorders
- Designed for Rotronic or other humidity and temperature probes



OPTIONAL FEATURES

Autocal

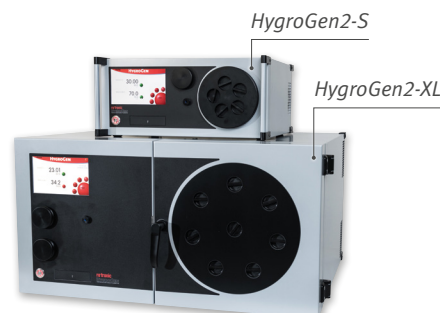
Automated calibration, adjustment and certificate generation for HC2-S probes.

Remote API

Allows users to integrate the HygroGen2 into their own or third party systems.

External Reference

External Michell S-8000 Reference Integration further extends the utility of the generator.



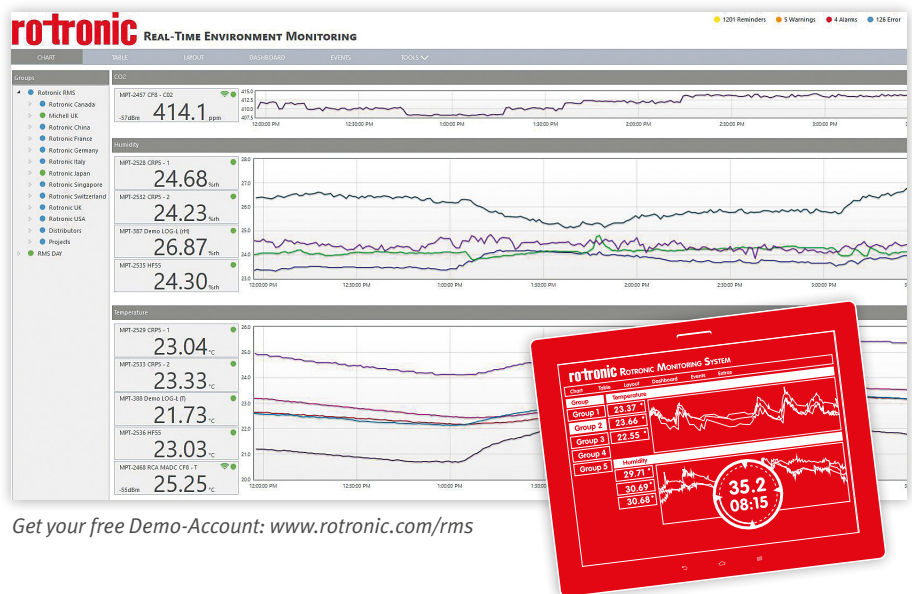
Brands of



CALIBRATION LAB MONITORING WITH RMS

FEATURES

- Automatic report generation
- Monitor multiple locations in one system
- Scalable; perfect for small to large installations
- Designed for Rotronic devices and 3rd party sensors
- Receive alerts via phone, texts and emails
- Hosted at the customer site or by Rotronic
- Create custom dashboards and layouts per user
- Define different user roles and ability
- FDA 21 CFR Part 11 and GxP compliant



APPLICATIONS

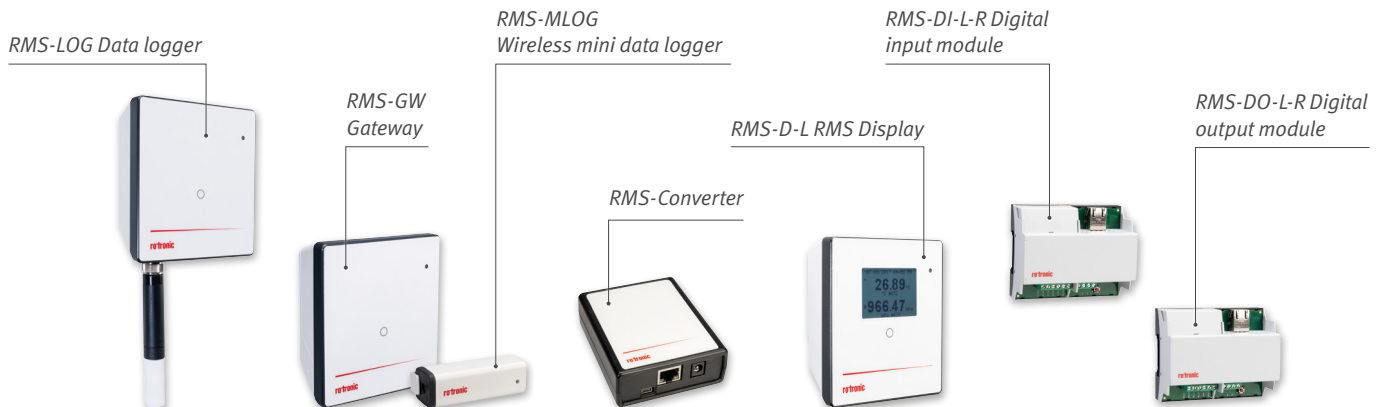
- Fridge, freezers, incubators
- Cleanrooms, Animal rooms
- Storage areas, warehouses
- Calibration facilities
- Environment chambers
- Data centers
- Laboratories
- Indoor air quality, humidex
- Pharmacies, hospitals, blood banks
- Temperature controlled logistics

MEASUREMENT TYPES

- Humidity and temperature
- CO₂, CO
- Differential pressure
- Particle counting
- Light (lumens, PAR, lux, etc.)
- pH
- Soil moisture
- Water quality
- Webcams
- Psychrometric calculations

BENEFITS

- Compliance, audit and risk management
- Time savings with automatic report generation
- 24/7 real-time centralized monitoring of all operations
- Compare and analyze historical data
- All critical measurements in one system



MICHELL INSTRUMENTS



Michell offers a wide range of equipment for relative humidity calibration, from portable validators for quick field testing to lab-based systems to generate and measure accurate temperature and humidity conditions over a wide range.

HYGROCAL100

- Truly portable at 3.2 kg (7 lb), and completely self-contained
- Intuitive UI makes automating probe verification simple
- Integral battery pack
- Validate 7 probes simultaneously
- Automated validation procedures for hands-off probe verification
- Internal calibration correction cycle ensures continued confidence
- Optional chilled mirror reference hygrometer, allowing use as a calibrator
- Download logged verification data direct to USB memory



S8000 REMOTE

- Fundamental, accurate and drift-free measurement
- Remote sensor
- Operating Range of -40 to +90 °C (-40 to +194 °F) dew-point
- Accuracy of ± 0.1 °C (± 0.18 °F)
- Data logging to USB or SD card
- "FAST" guarantees frost formation below 0°C (32 °F)
- Sensor operates in pressures up to 20 bar (290 psig)



OPTICAL

- Precision relative humidity and temperature calibrator
- Generate 10 to 90 %RH over +10 to +50 °C (+50 to +122 °F) temperature
- Integral chilled mirror reference hygrometer
- UKAS accredited calibration, as standard
- Humidity and temperature profile generation for unattended verification of sensors
- Transportable to allow on-site calibrations



OPTIDEW 401

- New chilled mirror hybrid sensor gives fast dynamic response to changes in humidity
- Accurate to ± 0.15 °C dew point, ± 0.1 °C temperature
- Wide measurement range from -40 to +120 °C dew point
- Intuitive touchscreen interface for easy operation
- Choice of communication methods, including Modbus TCP over Ethernet communication for easy networking
- Optional pressure transmitter for accurate calculation of ppm_v & g/kg



Brands of

