

PRESS RELEASE

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The Michell Optidew and Rotronic HygroGen2 Calibrator - a Perfect Combination

The Optidew 401 chilled mirror hygrometer designed and developed by Michell Instruments has proved itself to be a high precision, reliable reference hygrometer for calibrations performed in the Rotronic UKAS / ISO 17025 accredited laboratory in the UK.

The humidity, temperature and dew point calibration laboratory with a demanding and ever increasing customer workload uses the Optidew 401 chilled mirror as a reference instrument together with a HygroGen2 (HG2) temperature and humidity calibrator, which itself is in a class of its own.



Like all chilled mirror hygrometers, the Optidew 401 provides highly accurate and stable measurements of dew point. However, the Optidew offers several features that make it stand out from other manufacturers' instruments, such as the unique Dynamic Contamination Control (DCC) feature.

The Rotronic HG2 temperature and humidity calibrator has set a high standard for a portable humidity and temperature generator that is designed for use both insitu in production and other areas on site, as well as in the laboratory, yet is conveniently easy to operate. Hundreds of users worldwide have identified that this instrument for the rapid generation of stable temperature and humidity conditions can save significant amounts of time in performing multi-point calibrations of all types of temperature and humidity instrumentation from any manufacturer.

The Rotronic UKAS accredited laboratory makes full use of both the Standard and XL calibrator models:

HG2-S, is the smaller version, being portable and, easy to transport. It can be set up in just a few minutes at the required location, allowing multi-point calibrations to be performed in minutes compared with other methods and at the working ranges for the process in which they are used for monitoring and control; thereby greatly reducing process production downtime.

HG2-XL, which has a chamber 10 times greater than the capacity of the Standard model, enables larger sensors to be calibrated, and with the included shelving, many devices can be conveniently calibrated at the same time, reducing turnaround times.

Rotronic HG2 models are suitable for the calibration of all manufacturers' temperature and humidity probes, data loggers and handheld instruments up to the wide ranges -5...60 °C, 2 to 99 %rh.

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Information for editors

About Process Sensing Technologies

Process Sensing Technologies (PST) provides an unmatched suite of instruments, analyzers and sensors for precision measurements and monitoring in highly demanding end markets. These range from pharmaceutical/ life sciences, speciality gases, semiconductors, O&G, petrochemicals and power to gas detection, food and beverage and building automation.

PST brings together well-established brands, each of which are trusted for the precision and reliability of their products, strong innovation and singular focus on customer service. With a history of development and innovation starting in 1965 and continuing to the present day, we look forward to many more milestones to come.

About Rotronic

Rotronic is part of Process Sensing Technologies (PST) and offers industry-leading measurement devices for relative humidity, temperature, carbon dioxide, differential pressure, and water activity used in all industries where superior measurement accuracy, stability, and reliability are essential. With over 55 years of experience, the Rotronic brand stands for Swiss precision specialized in measurement instrumentation and innovation, such as RMS, a modular real-time environmental monitoring system that enables regulated pharmaceutical customers to meet specific FDA/EU regulations and also supports customers within industrial applications to focus on product quality.

About Michell Instruments

Michell Instruments is part of Process Sensing Technologies (PST) and manufactures with almost 50 years of experience, a wide range of sensors, instruments and customized systems capable of measuring dew-point and oxygen in applications and industries as diverse as compressed air, power generation, petrochemical, oil and gas, food processing and pharmaceutical.