



Michell Instruments



Moisture Analysers and Hydrocarbon Dew-Point Analysers

The control of moisture and hydrocarbon dew point is critical for the operational safety and efficiency of the plant equipment in upstream through to downstream processes. Michell Instruments has been developing expert moisture sensing instruments and systems for 40 years. Today Michell Instruments can offer the world's most comprehensive range of moisture and hydrocarbon dew point analyzers and systems.



Calibration Instruments

Michell Instruments, are not just experts in calibration, but experts in humidity measurement. They design and manufacture hygrometers based on a wide range of technologies, which are used in challenging industrial processes worldwide. The high-capacity calibration labs are in operation 24/7 and are kitted out exclusively with Michell's own calibration equipment, constantly proving it's value and long-term reliability in a demanding production environment.



Portable Hygrometers

Michell Instruments range of portable hygrometers allow fast, accurate and stable measurements of dew point, relative humidity and moisture concentration. Each hygrometer is designed for daily use in the most demanding of industrial environments, while maintaining excellent performance and simplicity of operation.

All of our portable instruments are supplied with calibrations traceable to National Standards, or alternatively can be calibrated in our UKAS Accredited calibration lab in accordance with the ISO17025 standard.



Dew-Point Sensors, Dew-Point Meters and Sampling Systems

Michell's range of sensors allow for measurements of dew-point, moisture content and trace moisture in both gases and liquids. From extremely dry parts-per-billion measurements (-120°Cdp) to high-humidity conditions with dew-points up to +60°C, our sensors are designed to reliably measure moisture in a wide range of applications. Our globally approved intrinsically safe and explosion-proof/flame-proof transmitters are available for use in hazardous areas.



Chilled Mirror Hygrometers (Dew-Point Mirrors)

In many processes moisture is a critical factor that needs to be monitored, and controlled. Chilled mirror is the humidity standard technology of choice for national standards laboratories worldwide.



Relative Humidity Sensors, Humidity Meters, and Instruments

Michell has put their expert knowledge in humidity measurement and calibration into the development of our wide range of RH probes and transmitters, designed to meet the requirements of demanding industrial applications. As the largest dew-point transmitter manufacturer in Europe, and the operator of several high-capacity calibration laboratories across the globe, they have the experience to design and manufacture accurate, reliable and durable humidity probes and transmitters.



Oxygen Analysers and Thermal Conductivity Analysers

Michell offers two ranges of oxygen analysers, designed to increase safety and improve efficiency from industrial gas and nitrogen production to pharmaceutical reactors, refineries and inert blanketing gases. We use non-depleting measurement technologies - zirconium oxide and thermo-paramagnetic - to ensure long-term reliability and low-cost of ownership.



Oxygen and H₂S Electrochemical Analysers

All's oxygen analysers are based on the galvanic measurement principle and offer robust, high precision measurements meeting the highest quality standards.