

Date: May 2014
Ref: PR157



Written & issued by Michell Instruments Ltd.
Telephone: 01353 658 000. Fax: 01353 658 199.
Email: uk.info@michell.com

PRESS RELEASE

New RRS optical system gives Michell chilled mirror hygrometer exceptional response to trace moisture

The [S8000 hygrometer's](#) accuracy at very low temperatures (below -80°C dp) is due to a new measurement system which Michell Instruments calls 'RRS'. RRS is a sophisticated technique that detects very small changes in moisture condensed on the chilled mirror surface. This guarantees both high sensitivity and fast response when measuring low dew points.

The S8000 is also the smallest and among the lightest chilled mirror instruments on the market with the ability to quickly measure dry dew points while offering an accuracy of $\pm 0.1^{\circ}\text{C}$.

What also makes the S8000 stand out from other instruments in its class is its ability to measure low dew-points without requiring external cooling. Its compact size means that it is convenient for use either as a bench-top instrument or installed in a 19" rack system. The touch-screen interface is highly intuitive and makes the instrument simple to use.

The ability to precisely measure trace moisture makes the S8000 an ideal [reference instrument for moisture calibrations](#) and it is popular in calibration laboratories. Its fast response and high accuracy give it an advantage in verifying the purity of industrial gases and for ensuring the quality of semiconductor gas supply.

As with all Michell chilled mirror hygrometers, the S8000 is available with UKAS (ISO17025) accredited calibration, traceable to NIST.

Michell supplies precision hygrometers and is also the largest dew point sensors manufacturer in Europe. Their reference chilled mirror hygrometers, such as the S8000, are constantly in use within their own factory for dew-point sensor manufacturing, and their 24/7 calibration facility and service. Michell's customers benefit from the robust design and 40 years of expertise built into each chilled mirror hygrometer.

- E N D -

For marketing enquiries, please contact:

Sarah Lawrence
Michell Instruments

Date: May 2014
Ref: PR157



Written & issued by Michell Instruments Ltd.
Telephone: 01353 658 000. Fax: 01353 658 199.
Email: uk.info@michell.com

Lancaster Way Business Park
Ely, Cambridgeshire
CB6 3NW
UK
Tel - +44(0)1353 658 000
Fax - +44(0)1353 658 199
e-mail – sarah.lawrence@michell.com

Notes for Editors

About Michell Instruments

[Michell Instruments Group is a worldwide leader in the field of moisture and humidity measurement solutions.](#) With four decades' experience, Michell designs and manufactures a wide range of sensors, instruments and customized systems capable of measuring dew-point, humidity and oxygen in applications and industries as diverse as compressed air, power generation, petrochemical, oil and gas, food processing and pharmaceutical. Michell's innovative products make processes cheaper, cleaner, more energy efficient and safe.

The Group has multiple manufacturing locations across Europe with their international headquarters located in Ely, UK and a North America sales and service headquarters located in Rowley (MA). It has its own facilities in 10 countries with an extensive network of factory trained application and service engineers, subsidiaries and distributors stretching across 56 countries.

<http://www.michell.com/uk>