

**Date: May 2020**

**Ref:**



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## **PRESS RELEASE**

### **New upgraded portable fast response hygrometer has extended measurement range**

Michell Instruments has upgraded its [compact portable hygrometer, the MDM50](#), with an extended range and a fast response speed. Featuring Michell's new [SF82 dew-point transmitter](#), the upgraded MDM50 now offers a measurement range of -60 °C to +60 °C dew point, with an accuracy of  $\pm 2\%$ .

Designed for use in tough industrial environments, the MDM50 is suitable for making spot checks of moisture in compressed air dryers, medical gases and ozone generators. The instrument is fully self-contained with an integral sampling system that can make measurements at line pressure up to 2 MPa (20 barg), and also includes filtration to remove particulates down to 0.3  $\mu\text{m}$ . For specific applications, pressure readings at up to 30 MPa are possible.

The rechargeable NiMH battery pack provides up to sixteen hours of operation from a full charge. The instrument uses a standard universal battery charger that fits neatly into the instrument lid: no more searching for the misplaced charger!

As with all high-precision instruments, the MDM50 requires regular recalibration of the sensor to ensure continued reliability of measurements. Owners of the MDM50 can choose between two services. The sensor exchange program minimises downtime by providing a replacement sensor which the customer swaps for the one in their instrument and then returns the old sensor to Michell. The replacement is made in minutes and means that the instrument is never out of service. Alternatively, you can choose to return the complete instrument to your nearest service location for a full recalibration and service.

The MDM50 is just one of Michell's range of portable dew-point hygrometers. For applications where a drier measurement range is needed, the [Easidew Portable Universal Hygrometer](#) is also fully self-contained and is capable of online measurements down to -100 °C dew point.

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## **Notes**

### **About Michell Instruments**

[Michell Instruments 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 company, which is part of the Process Sensing Technologies 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 Hauppauge (NY). 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>

### **About Process Sensing Technologies**

Process Sensing Technologies (PST) provides a comprehensive suite of instruments and analyzers for precision measurements in industrial process control, environmental monitoring and food/pharmaceutical processing.

Using our products, customers save millions of dollars each year through increased energy efficiency in their processes and reduced fuel consumption. The quality of food, medicines, semi-conductors and thousands of manufactured goods depends on reliable measurements of critical parameters such as humidity, oxygen, pressure or CO2 during production, storage and transport. Many of our products are GAMP and FDA compliant.

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. [www.processsensing.com](http://www.processsensing.com)