



MCM / Manalytical Newsletter – Issue 5, October 2008

MCM's Analogue Amnesty

Great deals to celebrate our 40th birthday

WE WANT YOUR OLD MCM HYGROMETERS!

MCM turns forty this month, and in celebration we're offering all our clients the chance to **upgrade to new analysers** and join the 21st-century's digital revolution.



MCM's range of analogue units, such as the **Dewdicator Dewlux (DDL)** and **Dewmatic (DM)**, first came to market in the 1980s and very soon became renowned for the exceptional performance – superb **speed of response**, **stability**, **repeatability** and strong **resistance to contamination** set new standards in the field of moisture analysis.



Innovations such as our **Temperature Controlled Silicon Sensor** and **Push Purge** feature helped make these performance advantages possible.

MCM's modern range of digital analysers utilise the same sensor technology, but state-of-the-art electronics allow us to offer **graphical displays**, internal **datalogging facilities** and **automated functions**, features that are designed to simplify operation, maximise efficiency and create an audit trail for the work you carry out.

WHAT IS THE ANALOGUE AMNESTY?

Between October 1st and December 31st, 2008, MCM's Analogue Amnesty gives you the chance to **trade-in your old analogue instrumentation** and take advantage of our special **advantageous deals**.

We're giving you three very good reasons to take part:

1. **20% discount** against the cost of new hygrometers
2. **12 months' priority servicing** – free of charge
3. **Complimentary training** on your new analysers

WHAT DO YOU NEED TO DO?

It's simple – just [contact us](#), state the serial number(s) of your current unit(s) and we'll get back to you with a detailed proposal.

For more details, see the [Analogue Amnesty](#) news story currently running on our website.

New Website Downloads

Technical reports now available

Expansion of our website has continued in recent months. The latest development (launched on October 1st) is an online database of **Case Studies** and **Technical Reports**, all **available for download** as pdf files.

The technical reports cover varied aspects of moisture measurement, including **sensor technology** and best practice **sampling methodology**, whilst the case studies reference real-life applications where **moisture contamination has had serious consequences**.

The database will be expanded over the coming weeks, but **current documents include**:

- Technical studies of Aluminium Oxide hygrometers
- The fatal cost of moisture in air-blast circuit breakers
- LNG production and the need for accurate analysis

To browse the database, simply click [here](#).

Natural Gas Dehydration

MCM optimise usage of stripping gas

Offshore production of Natural Gas involves blending a percentage of the gas stream with dehydrated product, in order to achieve the specified gas quality for the transmission network.

MCM were recently involved in offshore **optimisation trials**, which were commissioned by a shipper who was **unhappy with the performance of their existing Aluminium Oxide hygrometers**. The existing systems showed signs of **drift** and **slow response**; hence it was difficult for the shipper to validate the collected data with any level of certainty.

By adopting a practical validation methodology and making use of traceable measurement techniques, considerable savings were made.

The degradation of the aluminium oxide sensors meant that the **shipper was over-drying their gas**, and there were significant **economic and environmental costs** associated with the increased flare emissions.

MCM's fast speed of response, increased **sensitivity** and **traceable calibration** methodology resulted in a **reduction of stripping gas consumption**, from 1.7 tons / hour to 1.2 tons / hour (a saving of 40%).

Using MCM analysers the shipper achieved confident results in a short timescale, whilst also improving specification and delivering significant savings.

For the full and detailed report, click [here](#).

Product Focus

MicroView Compact ATEX Hygrometer



MCM's MicroView Compact ATEX Hygrometer is a versatile on-line instrument for continuous monitoring in hazardous areas.

Featuring the same unique [Temperature Controlled Silicon Sensor](#) that is a feature of all our analysers, the MicroView Compact is ideally suited both for inert and flammable gases, such as **Natural Gas, Methane, LNG / LPG, H₂, Ar, O₂, N₂, He, Air and volatile hydrocarbons up to C5**. Samples can be switched at will and there is no need to adjust the flow, pressure or calibration when moving from one gas flow to another.

For more demanding applications, where levels of contamination are higher or routine servicing is impractical, then the MicroView Compact contains the processing power to run either our [Auto-Zero System](#) or [Continuous Moisture Measurement System](#). These powerful solutions offer market-leading performance in some of industry's toughest monitoring conditions.

Whatever your requirement – stand alone analysis or system solution – the MicroView Compact has been **designed for ease of installation and maintenance**. Measuring just 200 x 100 x 62mm and weighing 1kg, no other hygrometer packs so much power in to so little space! For more information, click [here](#).

Forthcoming Events China, Singapore & Holland

This is where we will be over the next few months – come and visit us to discuss your application and see live demonstrations of our latest analysers.



Miconex 2008

International Conference & Fair for Measurement, Instrumentation & Automation

Nov 18-21, 2008 – Beijing, China

www.miconex.com.cn



Offshore South East Asia 2008

The 17th International Oil & Gas Industry Exhibition & Conference

Dec 2-5, 2009 – Singapore

www.osea-asia.com



GAS 2009

The 5th Gas Analysis Symposium & Exhibition

Feb 11-13, 2009 – Rotterdam, Holland

www.gas2009.org