

ULTRASONIC USER MEETING

High level features from Ultrasonic Technology

In November of 2005, Elster-Instromet held its UK meeting for users of Ultrasonic Gas Meters and fiscal gas metering systems. The meeting was a 2-day event, the first day was held in Aberdeen and attracted users from the offshore industry including Shell, BP, Amerada Hess and Talisman. On day two the event moved 500 miles to Norwich, where attendees again included offshore operators and also gas transmission and power generation companies.



The annual event, first held in 1998, aims to showcase new products and systems, provide a learning environment where complex solutions can be explained and also offers a platform for customers to feedback views on existing products and define requirements for future products. The presentations were complimented by poster displays and the availability of products for practical demonstration.

The day started with a welcome from me (UK Sales & Marketing Manager) and then progressed into a series of product presentations.

The first session, presented by Martin Kurth, covered the changes in design to ultrasonic gas meters and centred on the 4-path Elster-Instromet



meter with its inherent design advantages. The presentation then looked at installations in which pressure control valves are used. These may lead to the generation of high frequency noise. Where this may have been problematic in the past, the latest development, Multiple Code Burst technology, has increased immunity to noise by 20db. The result is that the Elster-Instromet ultrasonic meter may be installed in an installation not considered suitable previously. Developments in wet gas metering were then discussed with an introduction to the Elster-Instromet wet gas meter.



Model 2000 flow computer

The Model 2000 is the preferred flow computer for many of our worldwide customers. This is due to the high reliability of the unit and the flexibility / options that are configurable by the user. David Ward explained the difference between the basic gas flow computer (Model 2000) and the enhanced model that can be used on other commodities such as oil, condensate or steam (Model 2000S). Discussion followed on the network capabilities using the Ethernet port and the session concluded with a practical demonstration on remote access.

Addy Baksteen presented the new Encal 3000 Gas Chromatograph. The unit uses MEMs technology and with utilisation of capillary columns, rather than the traditional packed columns, offers a performance which is fast, powerful and accurate. Cycle time for C6+ measurement is 3 minutes. The Encal 3000 is a complete packaged unit which incorporates the analytical modules, stream selection, pressure control and the controller in one Exd box. Communication is by Modbus protocol or an Ethernet connection. Elster-Instromet are packaging a complete standard solution that as well as offering enhanced technical features reduces size, weight, installation time and cost against traditional solutions.



Encal 3000 Gas Chromatograph

To conclude the day the users were updated on the enhanced facilities of the Elster-Instromet Supervisory System ISS. This system brings together all the component parts above and gives the perfect system solution. The discussions centred on the Expert diagnostic system. ISS uses predictive algorithms tied in with condition-based monitoring to alert users to potential alarm situations. The system does not only show alarms but also advises users as to how to fix a problem with interactive menus and screens. This high-level feature minimises down time, increases system availability and guards against miss-measurement.

The feeling from all parties was that the day was extremely worthwhile. We thank the attendees for their time and input on the days and ask that you watch this space for details of our next event. Further information on the equipment referenced above may be found at www.elster-instromet.com

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Have You Seen This?

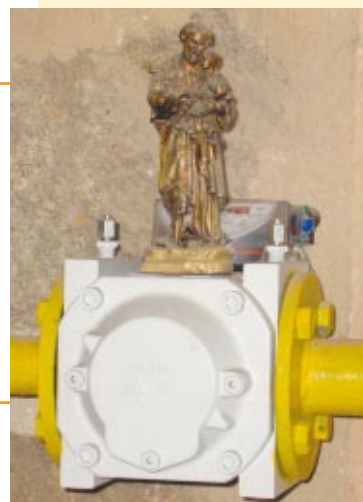
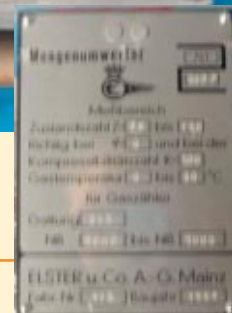
Fun with Elster-Instromet

Have you seen any creative, funny or extraordinary examples of gas installations anywhere in the world? Take a snapshot!

We at Elster-Instromet would like to publish your snapshots and you will get a gift in return.



This 1964 volume corrector was under auction at Ebay, the asking bid was 1 Euro!



"Holy meter" – installed in a convent of nuns. Spotted by Emilio Ariza Merino, Natural Gas Group.

Send your photo to:

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We hope to hear from you soon!