

NMi Confidence in Elster-Instromet for EuroLoop Project

Elster-Instromet has been selected to supply the gas reference meters for EuroLoop, a NMi test facility for industrial oil and gas meters in Rotterdam. EuroLoop is planned for launch in 2009.

Elster-Instromet has just passed through a challenging period: an acquisition by CVC, the Elster and Instromet merger, and changes within the Ultrasonic division. To Jacob Freeke, Sales and Marketing Director at Elster-Instromet, these changes gave rise to the opportunity to work at the re-adjustment of the Elster-Instromet image. "Not words, but deeds. To show as a team what one's worth is in today's market. This is what our people have done, and that is why the confidence expressed by NMi is a beautiful recognition of our efforts during the past few years."

At the EuroLoop site, years of experience, research and the best technology available will be combined. NMi has the ambition to raise gas and oil metrology to a higher level. Using a new standard and the best equipment, the measurement uncertainty will be reduced and accuracy will be improved, leading to a higher reliability in measuring results for the end-user.



SM-RI-X turbine gas meters

"Sharing ambitions" is a phrase that summarises the vision of Elster-Instromet, as Jacob Freeke explains, "It is our ambition as well to lift gas metrology to a higher level. When you share your ambition with other organisation's you have the opportunity to create a wonderful synergetic operation. EuroLoop is a great example. It is NMi's intent to gather the best of everything within this project. The results that are achieved generate profit for the end-user."

In total, Elster-Instromet will supply 17 flow meters for the NMi project: eight turbine meters, eight ultrasonic meters, and one rotary meter. In addition, Elster-Instromet will deliver a gas chromatograph.

SM-RI-X turbine gas meters are robust meters for use under demanding conditions. Over decades they have proved themselves to be highly accurate and reliable devices for measuring the flow of many of gases. The Elster Instromet SM-RI-X is unique, due to its good metrological performance and long-term stability. SM-RI-X are widely used for custody transfer of natural gas in transmission stations, distribution stations and as master reference meters. This SM-RI-2 is the first bi-directional turbine gas meter



Q.Sonic ultrasonic gas flow meters

on the market with increased capacity and a up to 50% reduced pressure loss. This meter is designed to function perfectly together with an ultrasonic gas meter, and reach high redundancy rates.

Ultrasonic meters Q.Sonic4 and 5 are the well known multi path USM's that are applied widely in the market at various custody transfer applications as well as applied succesfully with calibration facilities, for example at TransCanada Calibrations in Winnipeg. Ultrasonic gas meters are characterised by immediate response to flow changes and no pressure loss. The Elster-Instromet multi-path Q.Sonic ultrasonic gas flow meter is ideal for the calibration measurement of natural gas. The patented measuring path arrangement, in conjunction with advanced ultrasonic sensors and digital signal processing allows high accuracy with excellent long time stability. The impressive linearity and long term stability make them extremely suitable for HP calibration facilities for online comparison with turbine reference meters. The flow profile analysis of the meter allows renouncing the usual adoption of a flow conditioner.



ENCAL 3000 gas chromatograph

The gas chromatograph ENCAL 3000 – a process gas chromatograph using latest MEMS technology – is specially designed for fiscal energy measurement of natural gas. It uses chromatography components based on the latest Micro Electro Mechanical Systems (MEMS) technology and capillary columns. This yields highly repeatable and accurate analysis results. The compact analyser contains the analytical hardware, sample conditioning, stream selection and all required electronics for stand-alone operation.

For more information, visit www.elster-instromet.com