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ValvesSensorsSystems

measurIT technologies

MeasurIT Technologies Ltd. are pleased to introduce you to our April 2010 technical product update. In this issue:

- [Hi-Temp Flow Measurement. Non-intrusive.](#)
- [Refractometry in the Process](#)
- [Multipoint Flue Gas Flowmeter](#)
- [Monitor Feed Lines and Protect Pumps](#)

Yours sincerely,
Zoe Williams,
zoe@measurIT.com, +353 (0)53 942 8962
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Hi-Temp Flow Measurement. Non-intrusive.

FLEXIM is the only producer of **high temperature non-intrusive clamp-on flowmeter** technology worldwide.

FLEXIM's [WaveInjector](#) has been specially engineered for high-temperature applications. Using patented technology, the WaveInjector thermally separates the sensor ([ultrasonic transducer](#)) from the hot pipe, allowing operation at process temperatures up to 400°C.



Simple to install

The ultrasonic transducers are simply clamped to the outer surface of the pipe, using coupling plates for acoustic contact.

Since the WaveInjector is a purely mechanical device, it can be used in explosion hazard areas without any further certifications. [read more](#) >

Refractometry in the Process

Refractometry is an ideal analytical procedure for an accurate and reliable **measurement of a liquid's purity, concentration or density.**

A refractometer measures the refractive index of a fluid, a quantity which is characteristic for this specific substance and correlated to other properties such as concentration and density.

[PIOX R refractometers](#) work with transmitted light. This method has the advantage of not being influenced by coating and deposits on the prism. The measurement is independent of viscosity and not sensitive to bubbles. No minimum flow is necessary. [read more](#) >



Multipoint Flue Gas Flowmeter

We are very proud to present you the TUV Certificate of Conformity for our model MT91 **approved as gas flowmeter for measurement of flue gas** at plants requiring official permission under 2000-76-EC, Waste Incineration Directives and 2001-80-EC, Large Combustion Plants Directives.

This approval allows the client to use the measuring result of the MT91 flowmeter to report their emissions to the government.

The certification confirms compliance to QAL-1 and directives:

- EN 15267-1: 2009

- EN 15267-2: 2009
- EN 15267-3: 2007
- EN 14181: 2004

FCI is the **FIRST** and currently the **SOLE manufacturer** of a flow-measuring system certified to the latest European EN 15267 standards. [read more about MT91 flue gas flowmeter](#) >



Focus On..

Monitor feed lines and protect pumps

Monitor feed lines and protect pumps with thermal mass flow instruments. Detect low or no-flow conditions that overheat pump bearings and fail seals. With no moving parts, FCI's instruments offer high accuracy and reliability. They're ideal in rigorous industrial applications:

- >> Monitoring flow of seal liquid & lubrication oil
- >> Level alarming on seal & lubrication vessels
- >> Monitoring of too low flow through pump
- >> Detection of empty feedline pump

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