**Entrained Gas Management EGM now available for twin straight tube Coriolis flowmeters**

* OPTIMASS 1400 and OPTIMASS 2400 now available with Entrained Gas Management EGM: no loss of measurement with gas entrainment up to 100%
* Indication or configurable alarm for the user to improve processes by identifying transient gas entrainments

**Text:**

Duisburg, June 10, 2015: KROHNE introduces the OPTIMASS 1400 and OPTIMASS 2400 with the new signal converter MFC 400. Thereby, the Entrained Gas Management EGM feature is now available for the twin straight tube sensors, providing no loss of measurement with gas entrainment up to 100%.

In the past, gas entrainments in liquid media presented a huge challenge for mass flowmeters because the relative movement between gas and fluid dampens the amplitude of the measuring tube. This dampening leads to inconsistent sensor amplitudes, which interfere with the electronics’ capability to determine the actual resonant frequency. While other mass flowmeters simply "freeze" their last stable reading to cover this "loss of measurement", OPTIMASS flowmeters with EGM are able to follow and correct for the varying amplitudes. This is achieved for entrained gas up to 100% of volume and continues to present an actual measured reading, together with an indication or configurable alarm for the user. This indication can be very helpful to improve processes by identifying transient gas entrainments. The EGM feature is mainly relying on the fast, completely digital, signal processing of the MFC 400 signal converter. The MFC 400 also provides enhanced diagnostic and status indications according to NAMUR NE 107.

OPTIMASS 1400 is a universal coriolis mass flowmeter for standard applications with liquids and gases. With its stainless steel twin straight tube design, it can be drained and cleaned easily, and presents a cost effective solution for accurate measurement of mass or volume flow, density and temperature in a variety of applications up to 130°C / 266°F. OPTIMASS 1400 features an optimised flow divider for minimum pressure loss. Next to standard flange process connections DN15…80 / ½...3", it supports a wide range of industry standard hygienic connections.

OPTIMASS 2400 is a coriolis mass flowmeter for bulk mass and volume flow of liquids and gases. Originally developed to meet custody transfer applications in the oil and gas industry, it suits bulk, storage/loading/unloading and high volume measurement of products like syrup, molasses and raw chemicals as well. For flow rates up to 2,300,000 kg/h / 84,510 lbs/min, OPTIMASS 2400 is available in sizes DN100…300 / 4…12" with NACE compliant stainless steel measuring tubes. The Super Duplex option offers a maximum operating pressure of 180 barg / 2,600 psi. For bulk measurement in the food and beverage industry, hygienic connections are available (DN100 / 4" only).

About KROHNE: KROHNE is a full-service provider for process measuring technology for the measurement of flow, mass flow, level, pressure and temperature as well as analytical tasks. Founded in 1921 and headquartered in Duisburg, Germany, the company employs over 3,500 people all over the world and is present on all continents. KROHNE stands for innovation and maximum product quality and is one of the market leaders in industrial process measuring technology.

**Picture:**



**Caption:** Twin straight tube Coriolis flowmeters OPTIMASS 1400 and OPTIMASS 2400 now available with Entrained Gas Management EGM: no loss of measurement with gas entrainment up to 100%

Issued by:

KROHNE Messtechnik GmbH

Ludwig-Krohne-Str. 5

47058 Duisburg

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

Press contact:

Jörg Holtmann, PR Manager

Tel: +49 203 301 4511

[j.holtmann@krohne.com](mailto:j.holtmann@krohne.com?subject=ISA%20Messe-Award%20für%20UFM%203030)