**OPTISONIC 8300: New ultrasonic flowmeter for superheated steam**

* 2-beam ultrasonic flowmeter for high flow rates of superheated steam
* 1 % measuring accuracy, high repeatability, and large dynamic measuring range
* No parts to be maintained, no subsequent calibration for up to 20 years
* Integrated flow computer for steam mass flow calculation

**Text:**

Duisburg, March 9, 2015: With the OPTISONIC 8300, KROHNE presents a dedicated ultrasonic flowmeter for the measurement of superheated steam. The 2-beam flowmeter stands out with a measuring accuracy of 1 %, high repeatability, and a large dynamic measuring range. Typical applications include boiler and plant efficiency monitoring in (power) plants, energy balancing or inter-company steam billing.

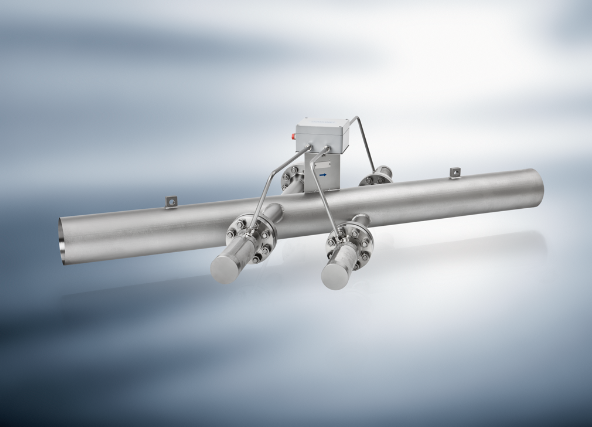
As downtime of steam pipes is very costly and must be avoided, OPTISONIC 8300 was build for long term use: it features a full bore flow sensor without moving parts or obstructions, and an overall sturdy and robust construction with no cables or sensitive parts exposed. Therefore, it can uphold its measuring accuracy without maintenance or subsequent calibration for up to 20 years, while keeping operating costs at a minimum. If verification of the measuring accuracy should become necessary, it can be provided by using the flowmeter diagnostics, without removing the flowmeter.

With nominal sizes ranging from DN 100...1000 / 4…40", OPTISONIC 8300 is particularly suited to high flow rates. Pressure rating up to 200 bar / 3625 psi and temperature rating up to 540 °C / 1004 °F are available, higher requirements on request. With temperature and pressure sensors connected to the device, the integrated flow computer can calculate steam mass flow.

OPTISONIC 8300 adds to KROHNEs portfolio of ultrasonic process and custody transfer meters for liquids and gases, ranging from compressed air to liquid natural gas (LNG).

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:**

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**Caption:** OPTISONIC 8300 2-beam ultrasonic flowmeter for high flow rates of superheated steam

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