

OPTISONIC 7300: Process gases always under control

Text:

Duisburg, 23 April 2012: At HannoverMesse, KROHNE introduces the OPTISONIC 7300 universal ultrasonic gas flowmeter for process gas applications. By this, KROHNE is completing its portfolio of gas meters, ranging from compressed air to custody transfer applications for natural gas. The OPTISONIC 7300 provides an economic solution for gas flow measurement in process and auxiliary measurements in oil&gas refineries, the chemical and the petrochemical industry and is the measurement of choice for non custody transfer natural gas applications. It can also provide its benefits in many other industries in for example (compressed) air, mixed gas, steam or flue gas applications.

With OPTISONIC 7300, any process gas flows are always under control: OPTISONIC 7300 is a 2-beam ultrasonic flowmeter that provides excellent long term measurement stability and repeatability. It delivers high performance over a wide flow range: it measures bi-directional from ± 30 m/s (± 90 ft/s) with an accuracy of 1 % of the measuring range. OPTISONIC 7300 can be calibrated either dry or by using air or natural gas. As standard, it uses titanium transducers which are better focused, equalising process fluctuations and avoiding acoustic feedback; stainless steel transducers are available on request. Built for long-term use, OPTISONIC 7300 features a maintenance free full bore flow sensor and an overall sturdy and robust construction with no cables or sensitive parts exposed. The maintenance free design with no moving parts in the flow sensor and the wide range of applications make using the device particularly cost-effective.

In many applications process gas volume is required at standard conditions. The OPTISONIC 7300 provides calculation to standard conditions by using the input of temperature and pressure sensors which can be directly connected to the device. The electronics also include diagnostics to validate the functions of the flowmeter and the process. Modbus, FOUNDATION fieldbus and HART are included for field communication.

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 2,700 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 1:



Caption: OPTISONIC 7300 universal ultrasonic gas flowmeter for process gas applications

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