**OPTISONIC 7300 Biogas flowmeter with new options**

* Direct measurement of methane content and calculation of volume to standard conditions with temperature and (optional) pressure sensor via integrated flow computer

**Text:**

Duisburg, February 7, 2019: KROHNE has updated the OPTISONIC 7300 Biogas ultrasonic flowmeter for the measurement of dry and wet (raw) biogas with variable composition. Besides the standard temperature sensor, it now features a pressure sensor that can be ordered optionally with the flowmeter and comes mounted on the flow tube.

In combination with the integrated flow computer, the additional sensor provide for advanced biogas measurement: since the methane content of biogas may vary, it may be required for the operation of the biogas facility to know the exact methane content in a methane/ CO2 mixture, e.g. when the gas is used as fuel for gas engines in a CHP unit. Here, a temperature sensor in combination with the measured velocity of sound enables direct measurement of methane content via calculation of the molar mass. By using an additional pressure sensor, OPTISONIC 7300 Biogas can also provide calculation of gas flow volume to standard conditions.

For optimal integration, all devices are offered from the own product range: for applications 0…100°C, KROHNE offers an OPTITEMP TRA-P10 Pt100 sensor with OPTITEMP TT22 C (Ex-i) or an Ex-d temperature sensor with OPTITEMP TT30 C transmitter. The optional pressure sensor is an OPTIBAR P1010 (Ex-i) with 0…1.6 bara range. OPTISONIC 7300 Biogas is available in line sizes DN50, 80, 100, 150, 200 / 2, 3, 4, 6 and 8".

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 3,700 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:**

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**Caption:** OPTISONIC 7300 Biogas flowmeter with temperature and pressure sensors for direct measurement of methane content and calculation to standard conditions

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