

KROHNE introduces clamp-on ultrasonic flowmeter

KROHNE has introduced the OPTISONIC 6300 clamp-on ultrasonic flowmeter. The instrument has been designed to be easy to install and deliver high reliability, particularly in heavy industrial and hazardous applications. The flowmeter, which replaces the UFM600T, offers improved measurement accuracy, ATEX approval, an extended temperature range as well as being capable of handling smaller line sizes. To aid installation and improve operation the OPTISONIC 6300 has numerous features. The instrument is fitted with an integrated display, which shows signal quality in real-time during the calibration of the signal transducer. This allows engineers to optimise the performance of the flowmeter by maximising measurement quality by up to 100 per cent.



OPTISONIC 6300

Easy handling

The OPTISONIC can be installed quickly and without special tools. The flowmeter has a robust clamp-on mechanism, which has been designed specifically to aid installation in industrial applications. The instrument is also fitted with a protective casing which protects it against, for example, dust, aggressive vapours, solar radiation or mechanical damage. This helps ensure reliable operation in the most demanding and hazardous of conditions.

The protective casing also helps to reduce maintenance. It is designed to protect the grease which couples the signal transducer to the tube wall, making it effective for longer and therefore increasing the time needed between maintenance periods. It also helps make re-lubrication easy.

Great economy

The OPTISONIC flowmeter is particularly suited for use in applications where processes should not be interrupted, pressure loss avoided and maintenance minimized.

The flowmeter is available with three sensor types, which cover the entire pipe diameter range of DN15 to DN4000. In addition two other sensors are available for extreme temperature applications, from -50 to +200°C. Greater flexibility can be achieved by combining a maximum of two sensors with one converter.

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