

FLEXIM

Measurement technology made in Berlin – used worldwide

FLEXIM develops, manufactures and sells advanced process measuring devices for industrial applications. For more than 20 years, non-invasive ultrasonic flow measurement has had a name: FLUXUS®. The name PIOX® stands for process analysis – non-invasive with the PIOX® S ultrasonic systems, wetted with the PIOX® R transmitted light refractometer.

Extremely successful outsiders

Today, FLEXIM is the leading supplier of clamp-on ultrasonic flowmeters. Non-invasive, ultrasonic flow measurement is only an outsider method in the technical sense: clamp-on ultrasonic transducers are simply attached to the outside of the pipe. The practical advantages are obvious: no wear and tear by the medium, no risk of leakage, no pressure loss and, above all, constant plant availability.

The fact that non-invasive measurement technology could prove itself as a standard method in many areas of the industry, is, if nothing else, a credit to FLEXIM. Berlin's ultrasonic experts have repeatedly set new standards with their FLUXUS® flowmeters. Staff at FLEXIM are particularly proud of the pioneering work carried out during the transfer of ultrasonic technology to non-invasive flow measurement of gases. FLEXIM is the only provider to carry out clamp-on ultrasonic flow measurements in high temperatures of up to 400 °C. FLEXIM's newest product is also unique: the portable, ATEX-certified FLUXUS® F/G608 for mobile flow measurement in hazardous areas.

Progressive process analysis

Clamp-on ultrasonic technology can also be used for process analytics due to the non-invasive determination of the acoustic velocity in the medium. PIOX® S ultrasonic systems really stand the test in applications where wetted measuring equipment is subject to considerable wear and tear, for example during concentration and mass flow measurements of acids.

Measurement of the light refraction is a proven method for determining concentrations. With the patented PIOX® R transmitted light refractometer, laboratory accuracy is reliable in the process.

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