

em-tec Ultrasonic Flow Sensor

By HPNE

Our non-invasive, clamp on closure provides accurate and intuitive flow measurement



Designed to save space and achieve greater accuracy in flow measurement, our em-tec Ultrasonic Flow Sensors come precalibrated for use in biopharmaceutical processing. This sensor requires no priming, and contains the ability to use 7 different calibration tables – all on one sensor.

The em-tec sensor features a functional design without moving parts, preventing any additional shear on the process fluid, and provides a greater advantage over invasive methods that also handle biomolecules or shear-sensitive organisms.

The BioProTT transducer, with transit-time technology, provides simple flow measurement of tubing systems. The transducer quickly and easily clamps around flexible hoses with a click lock. This lock ensures that contamination and pressure-drops within the system will be avoided, as well as no extra assembly splicing.



Features

- Non-invasive - the transducer encloses flexible tubing with its simple click closure, effortlessly
- Transducers for a wide variety of tubing sizes available
- Customer specific calibration for media, tubing, and temperature
- Up to seven calibration tables can be stored on one sensor, allowing maximum flexibility
- Excellent accuracy and stability
- Waterproof and easy-to-clean

Benefits

- Easy installation into your current system, allowing for non-invasive flow measurement
- Different sensor sizes for all common hose sizes
- No additional shear stress on cells due to non-invasive properties
- Device made to be reusable for years
- Space saving design

Applications

- Flow measurement on flexible hoses in upstream and downstream applications
- Filtration steps
- Chromatography
- Harvest applications
- Filling
- Process Evaluation
- Research



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