

The Industry Standard for over 40 Years

Transonic-Inside™ Clamp-on Flowsensors have consistently set the bar for tubing flow measurement accuracy, performance and reliability. They can be used across a wide variety of liquids and tubing materials and sizes, making them the perfect choice for just about any medical application. Custom sensors can be developed to meet the needs of your specific application.



Transonic-Inside™ Clamp-on Flowsensor Specifications

Clamp-on style Flowsensors measure volume flow in non-aerated liquids including but not limited to saline, buffer solutions, blood and water with high resolution and low zero offset. Flowsensors are calibrated for the specific tubing on which they are used.

Clamp-on Flowsensors are positioned on the outside of flexible tubing to measure the true volume flow rate within the tubing or tubing circuit while maintaining sterility. This critical measurement is recorded with high accuracy and stability.

The easy clip-on operation of the PXL Flowsensors also makes these Sensors ideal for testing applications where the measurement needs to be quick, reliable, and potentially repeatable on multiple circuits without interrupting flow. Unlike large diameter industrial flow measurement devices, Transonic® provides high resolution Clamp-on Sensors in 1/16 increments for small diameter tubings down to 1/8" OD.



Clamp-on Flowsensor Tubing Specs

SENSOR SIZE	TUBING ID ¹	WALL THICKNESS
2PXL	3/32	1/32
3PXL	1/8	1/32
4PXL	1/8	1/16
5PXL	3/16	1/16
6PXL	1/4	1/16
7PXL	1/4	3/32
8PXL	3/8 5/16	1/16 3/32
9PXL	3/8	3/32
10PXL	1/2	1/16
11PXL	1/2	3/32
12PXL	1/2	1/8
14PXL	5/8 11/16	1/8 3/32
16PXL	3/4	1/8
20PXL	1	1/8

¹Custom sizing is available for 4-25mm OD tubing in 1mm

Documentation

Transonic OEM components have:

- CE-mark certification for the Clamp-on Flowsensor as a Class IIb device.
- Transonic ISO13485:2016 and EN46001 certification statement as audited by BSI.
- Flowmeter circuit board certification statement indicating that the board is designed under the Transonic Quality System and is equivalent in design and ultrasound performance to Transonic devices marketed in the USA under FDA product clearance.
- Flowboard and Flowsensor documentation of the QA tests to meet CE mark requirements, for the assembled OEM apparatus.

Contacts

Mason Caplin

Transonic-Inside Applications Engineer
mason.caplin@transonic.com

John Haberstock

Transonic-Inside Market Development Manager
john.haberstock@transonic.com