

HT110 Bypass Flowmeter

The Transonic HT110 Bypass Flowmeter system measures volume flow rates of blood or perfusate in extracorporeal circuits. It provides non-invasive volume flow measurement over a wide dynamic range. Measurement accuracy and resolution are unmatched.

An external clamp-on Flowsensor clips onto the tubing to continuously monitor actual flow delivery to the patient. Measurements are non-invasive, continuous bi-directional.

The Flowmeter/Flowsensor system

- Displays actual volume flow in mL or L/min
- Measures blood, saline, and cardioplegia
- Maintains sterility of liquids
- Custom sensor calibration is available for different fluids and temperatures combinations
- Easily customized for specialized applications

H-XL Tubing Flowsensors

Transonic® Clamp-on Tubing Sensors use unique ultrasonic transit time technology to measure volume flow with highest accuracy. Most fluids can be measured including saline, cardioplegia, and blood. No physical contact is made with the fluid media. HXL-Series Flowsensors can be calibrated and programmed for up to 4 different fluid / temperature / tubing combinations and will work with most flexible tubing types. Sensor size is determined by outside diameter of the tubing.

SENSOR #	CLAMP-ON FLOWSENSOR SIZES			Cat # Suffix (metric tubes)
	TUBING			
	OD (inches)	ID X WALL (inches)	OD (metric)	
H2XL	1/8 x 5/32	3/32 x 1/32	4 mm	-M4
H3XL	3/16	1/8 x 1/32	5 mm	-M5
H4XL	1/4	1/8 x 1/16	6 mm	-M6
H5XL	5/16	3/16 x 1/16	8 mm	-M8
H6XL	3/8	1/4 x 1/16	9 mm	-M9
H7XL	7/16	1/4 x 3/32	10 mm	-M10
H8XL	1/2	3/8 x 1/16	12 mm	-M12
H9XL	9/16	3/8 x 3/32	14 mm	-M14
H10XL	5/8	1/2 x 1/16	16 mm	-M16
H11XL	11/16	1/2 x 3/32	-	-
H12XL	3/4	1/2 x 1/8	20 mm	-M20



HT110 Bypass Flowmeter

Ensure Optimal Perfusion to Provide Proactive Patient Management



Flowsensor on Tubing

Choosing Your Flowsensor Size

Sensors are scaled in 1/16 inch increments to clamp around standard tubing diameters.

Tubing

Flexible medical grade and laboratory tubings (PVC, silicon, polyurethane) are generally compatible for use with -XL Sensors. A 30 - 60 cm tubing sample is required to calibrate the Sensor.

Optional

Sensors are calibrated for specific tubing densities and temperature. The HT110s have the capability to specify, when ordering, up to four tubing, fluid, temperature, and flow rate combinations. Fluid samples and MSDS information are required for custom calibration requests.

transonic
THE MEASURE OF BETTER RESULTS.

www.transonic.com