Verify Flow over a Wide Dynamic Range with Non-invasive Sensor

- Measures blood, saline or cardioplegia
- Bidirectional measurement
- Stable, low-flow measurement
Verify Pump & ECMO Circuit Flows for Critical Safety & Quality Assurance

Transonic® Clamp-on Tubing Flowsensors complement the Transonic® HT110 Tubing Flowmeter to provide an independent measure of actual delivered blood flow.

The system provides noninvasive, sterile measurements without any contact with the fluid or interruption of tubing. It has a stable and low zero offset and its calibration can be adjusted on site. Measurements are stable at the low flows used in ECMO treatment.

The Transonic® HT110 Tubing Flowsensor/Flowmeter system is the “Gold Standard” used throughout the biomedical industry with which they calibrate & validate other heart/lung pumps.

- Maintains Tubing Integrity
- Sensor Clips onto Existing Tubing
- Unmatched Accuracy ± 10%

**“Use of the Transonic Flowmeter allows the ECMO specialist to monitor actual patient blood flow and hemofilter shunt enhancing patient care management”**
Berube, MC

**“Using the Transonic Flowmeter, a pre-determined (partially occlusive) setting can be achieved by first determining the point of total occlusion, then decreasing occlusion a small percentage from this maximum (i.e., total) occlusion. Clinical application in 35 neonatal ECMO cases has shown the practice to be safe, reliable, and efficient.”**
Synder, E
ASAIO J 1997; 43: 60-64.

**TRANSIT-TIME ULTRASOUND TECHNOLOGY**

Four transducers pass ultrasonic signals, alternately intersecting the vessel in upstream and downstream directions. The difference between the four transit times yields a measure of volume flow.

**CLAMP-ON TUBING FLOWSENSOR**

Transonic® XL-Series Flowsensors are re-usable; factory-calibrated for specific tubing size, material, fluid and temperature, and available for 1/8” to 1 1/4” OD Tubing (3.2 mm OD to 31.8 mm OD).

Transonic Systems Inc. is a global manufacturer of innovative biomedical measurement equipment. Founded in 1983, Transonic sells “gold standard” transit-time ultrasound flowmeters and monitors for surgical, hemodialysis, pediatric critical care, perfusion, interventional radiology and research applications. In addition, Transonic provides pressure and pressure volume systems, laser Doppler flowmeters and telemetry systems.