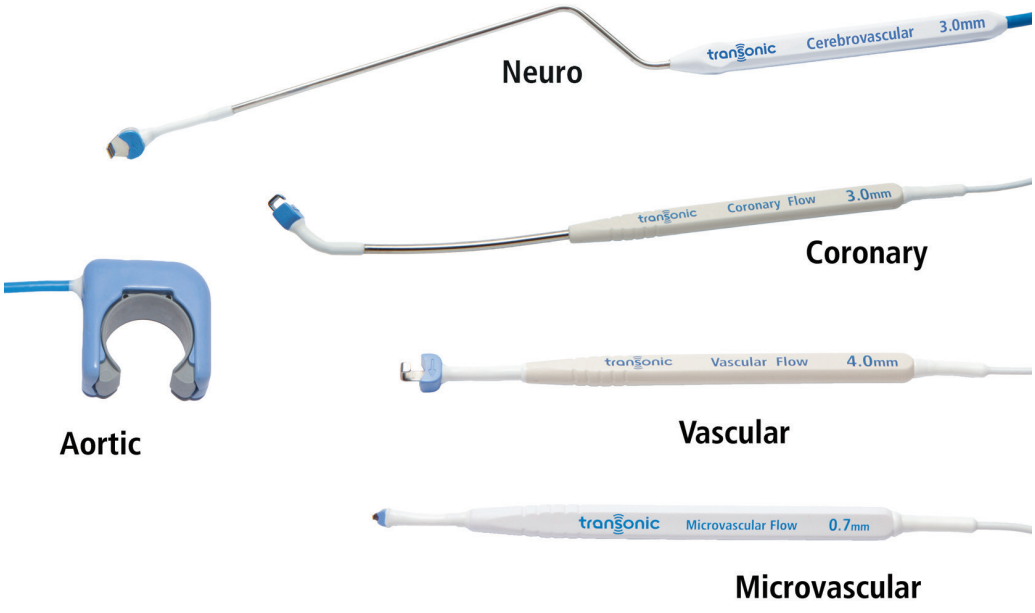
Transonic's FlowXL Perivascular Flowprobes & Tubing Flowsensors

The Largest Selection of Flowprobes Available

Transonic offers a wide range of intraoperative Perivascular Flowprobes and Extracorporeal Clamp-on Tubing Flowsensors. Transonic is dedicated to offering the most ideal Flowprobes and Flowsensors to suit each application.



PERIVASCULAR FLOWPROBES

Transonic HS-Series Intraoperative, Perivascular Flowprobes work with HT520 Series FlowXL Flowmeter to measure instantaneous and average volume flow in blood vessels or grafts, 0.5 mm to 36 mm. Flowprobe Model #'s (e.g., HS3FMC-75) indicate the compatible meter (HS=FlowXL), Probe size (0.7-36mm), Probe Style (FMC, FMV, MU, etc.*), and use limit (1/8/16/50/75)

*An F within the Probe Style indicates the probe is 'Flash/Autoclave/Steam sterilizable. See Probe Sterilization IFU for details.

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HS-Perivascular Flowprobes

Coronary Flowprobes (FMC-Series) - Reusable up to 75 uses

Coronary Flowprobes are designed for CABG patency assessment. The long handle J-style Flowprobes feature extended reach and a flexible neck to access hard-to-reach coronary grafts. The non-constrictive sensing window provides an undistorted flow waveform, critical for graft patency assessment.



Coronary Flowprobes are available in 4 sizes: 1.5, 2, 3, 4 mm.
(HS1.5FMC-75, HS2FMC-75, HS3FMC-75, HS4FMC-75)

Vascular Flowprobes (FMV-Series) - Reusable up to 75 uses

Vascular Flowprobes are the most universally designed, and can be used for general vascular, transplant, and cardiac surgery. These Flowprobes feature a short flexible neck for applications where the artery, vein or graft is readily accessible. The J-style reflector is designed to quickly slip around the vessel and maintain optimal vessel alignment during flow measurement.



Vascular Flowprobes are available in 9 sizes: 1.5, 2, 3, 4, 6, 8, 10, 12, 14 mm.
(HS1.5FMV-75, HS2FMV-75, HS3FMV-75, etc.)

Microvascular Flowprobes (MU-Series) - Reusable up to 50 uses

Transonic offers the smallest clinical Flowprobes on the market. They measure volume flow in vessels, ducts or grafts from 0.5 to 4.0 mm in diameter. Microvascular Flowprobes are designed with an L-style reflector and a non-constrictive fit to measure flow through vessels in their natural state.



Microvascular Flowprobes are available in 5 sizes: 0.7, 1.0, 1.5, 2.0, 3.0 mm.
(HS0.7MU-50, HS1MU-50, HS2MU-50, HS3MU-50, etc.)

HS-Perivascular Flowprobes cont.

Cerebrovascular Flowprobes (MB/MBS-Series) - Single use, pre-sterilized

Cerebrovascular Flowprobes (MB/MBS-Series) single use, pre-sterilized Cerebrovascular Charbel Flowprobes® are® designed for various cerebrovascular surgeries, including aneurysm clipping, arteriovenous malformations (AVMs), dural fistula obliteration, EC-IC Bypass, and tumor resection surgeries. The long (MB) or short (MBS) bayonet handle permits use under a surgical microscope. A flexible neck segment permits bending the Flowprobe as needed to position it around a vessel. These probes provide an undistorted flow waveform, critical for patency assessment. Single-use MB/MBS Series Cerebrovascular probes are especially recommended in instances where prion disease transmission is of concern.



Intracranial Flowprobes (long bayonet) are available in 3 sizes: 1.5, 2, 3 mm.(HS1.5MB-01, HS2MB-01, HS3MB-01)

Extracranial (short bayonet) Flowprobes are available in 3 sizes: 3, 4, 6 mm. (HS3MBS-01, HS4MBS-01, HS6MBS-01)

Cerebrovascular Flowprobes (MR/MRS-Series) - Reusable up to 16 uses

Similar to the above, but designed for up to 16 uses, the MR/MRS series Charbel probes again facilitate precise flow measurement to quantify increases in flow after revascularization surgeries, to ensure the patency of EC-IC bypasses, or to ensure adequate flow during aneurysm clipping to help avoid clip-related ischemia. Intracranial (MR) probes have been designed with a narrow probe head, and both styles are designed with an L -Reflector to allow the probes to easily slip on and off the vessels under study.



Intracranial Flowprobes (long bayonet) are available in 3 sizes: 1.5, 2, 3 mm. (HS1.5MR-16, HS2MR-16, HS3MR-16)

Extracranial (short bayonet) Flowprobes are available in 3 sizes: 3, 4, 6 mm. (HS3MRS-16, HS4MRS-16, HS6MRS-16)

Carotid Flowprobes (FME-Series) - Reusable up to 75 uses

Designed for use during carotid endarterectomy procedures, or other procedures where there are limited fields to allow probes to slide around the vessel, the Carotid Flowprobes feature short, flexible neck and L-style reflector. The L-style reflector allows these Flowprobes to easily slip on and off the vessel under study, with minimal disturbance to the vessel.



Carotid Flowprobes® are available in 7 sizes: 1.5, 2, 3, 4, 6, 8, 10mm (HS1.5FME-75, HS2FME-75, etc.)

HS-Flowprobes & Flowsensors

COnfidence® Flowprobes (AU-Series) Reusable up to 75 uses, except sizes 4&6, which are reusable up to 8 uses

Transonic's COnfidence Cardiac Output Flowprobes represent a completely new concept in ultrasonic Flowprobe design. Validated X-pattern full flow illumination is enhanced by a soft probe liner to cushion the vessel, permitting sustained ultrasonic transmission with less need for acoustic coupling gel during acute intraoperative use. COnfidence Flowprobes offer unsurpassed beat-to-beat measurement accuracy on vessels with highly dynamic and irregular flow profiles such as the great arteries during adult or pediatric cardiac surgery, or the portal vein during transplants.

- Insensitive to placement: Provides accurate and reproducible measurements on the ascending, arch, or descending aorta
- Designed for placement in tight spaces: Surgical space is not compromised
- Shaped to fit: The inner surface is designed for round vessels, and the probe comes with a soft liner so that they may be left in place for measurement without the need to hold the probe in place.



COnfidence Flowprobes are available in 17 sizes: 4, 6, 8, 10, 12, 14, 16, 20, 24, 28, 32, 36 mm. (HS4AU-08, HS6AU-08, HS8AU-75, etc.)

Tubing Flowsensors (XL-Series) - Reusable, no use limit

Transonic HSnXL Flowsensors clip on to the outside of flexible tubing to measure the volume flow of blood, water, and most non-aerated liquids including saline and buffer solutions. The reusable Flowsensor has no contact with liquid, thereby preserving the flow dynamics and sterility of the fluid. Flowsensors utilize the most advanced designs for ultrasonic flow illumination to provide reliable, stable measurements even under turbulent and non-steady flow conditions.



XL Tubing Sensors are available in 11 sizes: 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, and 3/4 inch OD.

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To Measure is to Know. Transonic Systems Inc. is a global manufacturer of innovative biomedical volume flow measurement equipment. Founded in 1983, Transonic sells gold standard transit-time ultrasound Flowmeters for surgical, hemodialysis, extracorporeal, medical device manufacture, and research applications.

USA/Canada
Transonic Systems Inc.
Tel: +1 607-257-5300
Fax: +1 607-257-7256
support@transonic.com

Europe
Transonic Europe B.V.
Tel: +31 43-407-7200
Fax: +31 43-407-7201
europe@transonic.com

Asia/Pacific
Transonic Asia Inc.
Tel: +886 3399-5806
Fax: +886 3399-5805
support@transonicasia.com

Japan
Nipro-Transonic Japan Inc.
Tel: +81 04-2946-8541
Fax: +81 04-2946-8542
japan@transonic.com

Australia
Qualtech Consulting Corp. PTY LTD
Level 26 44 Market Street
Sydney NSW 2000
Australia