

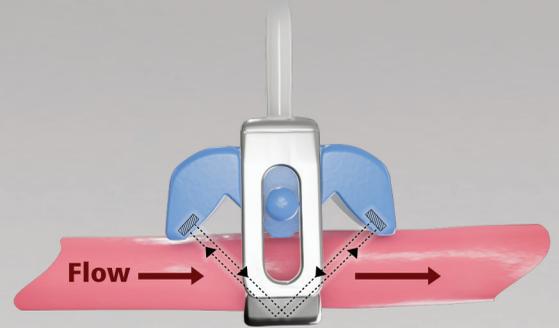


Your Trusted Partner in Research

Flowprobes

Transonic set the standard for blood flow research

40 years ago with novel technology and a flowprobe design that quickly became one of the most trusted and reliable tools in the animal physiology lab. Since this time, they have been successfully deployed in thousands of studies for aortic, renal, mesenteric, and carotid blood flow, to name just a few. Originally conceived and designed for chronic implantability, we are now realizing our most challenging vision with the EndoGear® platform: blood flow measurement by telemetry in freely mobile conscious rodents.



Our perivascular flowprobes report volumetric flow, not velocity, using Transit-time ultrasound technology, and do so with dependable stability and unsurpassed resolution for the duration of the implant over weeks, months and even years (in large animal models). Our familiar non-constrictive design does not interfere with vascular function. There is a size and configuration for almost every target vessel to fit your specific application needs.

Flowprobe Specifications

Family Model Number	EG-QSB and EG-QSS				
Material	Biocompatible Epoxy, Silicone cabling				
Flowprobe	Suggested Vessel Size mm	Scale 0.5v/ml/min	Volume Range* ml/min	Target Vessels Species/weight dependent	Operational Frequency MHz
1QRB, 1QRS	0.5 - 1.0	20	-100 to 100	back wire: renal, carotid side wire: mesenteric., fenoral.	7.2
1.5QRB, 1.5QRS	1.0 - 1.5	40	-200 to 200	back wire: hindlimb, iliac side wire: mesenteric	4.8
2QSB, 2QSS	1.3 - 1.8	100	-500 to 500	Abdominal aorta, portal vein	3.6
2.5QSB, 2.5QSL, 2.5QSS	1.5 - 2.4	100	-500 to 500	Ascending aorta	3.6
3QSB, 3QSS	2.4 - 3.4	200	-1000 to 1000	Ascending aorta (large rat)	3.6
Accuracy	± 15%				
Notes:	Cable Orientation: Back (perpendicular); Side (parallel to vessel); Lateral				
	Cable Length: up to 30 cm.				
	Flowprobes are built into the implant.				
	*Max flow can be increased x 2 with EGUI control if peak flow exceeds full scale.				

EndoGear