

SonoTT™ Clamp-On Transducer



- For non-invasive flow measurement for liquids
- For use with flexible tubing
- Different transducers for different tube sizes
- Customer specific calibration
- Excellent accuracy and stability
- Can be surface disinfected

01 Technical Specification

Size (HxWxD)	25 x 33 x 45 mm
Weight	100 g
Housing material	Plastic
Safety class (IEC60601-1)	BF
IP-Code	IPX4
Cable length	2.9 m
Compatible flow meters	SonoTT™ FlowMeter, SonoTT™ FlowComputer, SonoTT™ flow boards
Connector plug	Depending on flow meter, please specify when ordering
Recommended tube type	Flexible, non-reinforced tubing, e.g. silicone, PVC
Medium type	Water, purified water, blood and most dialysis-, infusion and irrigation solutions
Medium operating temperature	4 to 50 °C (40 to 122 °F)

02 Accuracy and Drift with Compatible Flowmeters

Flow Offset Drift	Max. 0.03 l/min within 2 hours
Flow Range	Accuracy
Flow value ≤ 1.0 l/min	± 0.07 l/min ± Flow offset drift
Flow value > 1.0 l/min	± 7% of reading ± Flow offset drift

03 Transducer Size and Flow Measurement Range

Type (depending on flow meter)	Maximum Flow Range (depending on medium, bi-directional)	Tube Size ID (inner diameter), WT (wall thickness), OD (outer diameter)					
		ID [in]	WT [in]	OD [in]	ID [mm]	WT [mm]	OD [mm]
SCT/ CT 3/16 x 1/16"	up to ± 6	3/16	1/16	5/16	4.76	1.59	7.94
SCT/ CT 6.8 mm	up to ± 6	11/64	3/64	17/64	4.30	1.25	6.75
SCT/ CT 1/4 x 1/16"	up to ± 8	1/4	1/6	3/8	6.35	1.59	9.52
SCT/ CT 1/4 x 3/32"	up to ± 8	1/4	3/32	7/16	6.35	2.38	11.11
SCT/ CT 3/8 x 1/16"	up to ± 10	3/8	1/16	1/2	9.53	1.59	12.70
SCT/ CT 3/8 x 3/32"	up to ± 10	3/8	3/32	9/16	9.53	2.38	14.29
SCT/ CT 1/2 x 3/32"	up to ± 20	1/2	3/32	9/16	12.7	2.38	17.46

04 Calibration

Factory calibrated to customer specific tubing, medium and operating temperature. Typical medical calibration is performed for blood at 37 °C (98.6 °F) with Raumedic™-ECC–Blood-Line Tubing. Up to seven (7) calibration tables can be programmed in each transducer's electronic storage. Factory recalibration services are available on request.