



- For non-invasive flow measurement of liquids
- For use on flexible tubing
- Sensors for all common tube sizes
- Customer specific calibration (seven tables per sensor)
- Hanging installation

Technical Specification

Size (H x W x D)	25 x 33 x 45 mm
Weight	137 g
Housing material	Epoxy resin, aluminium, stainless steel
Safety class (IEC60601-1)	BF
IP-Code	IPX4
Cable length	2.9 m
Compatible flow meters	SonoTT™ FlowComputer, SonoTT™ flow boards
Connector plug	Depending on application and device (D-Sub and round plug)
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)

Accuracy and Drift (in Combination with SonoTT™ FlowComputer)

Flow Range	Accuracy
Flow value 0.0 to 1.0 lpm	± 0.07 lpm ± Flow offset drift
Flow value 1.01 to 10.0 lpm	± 7% of reading ± Flow offset drift
	Flow Offset Drift max. 0.03 lpm within 2 hours

Transducer Sizes and Flow Measurement Range

Type (depending on flow meter)	Maximum Flow Range (depending on medium, bi-directional) [l/min]	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	1/16	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	11/16	12.70	2.38	17.46

SonoTT™ Clamp-On Transducer

Calibration

Factory calibrated to customer specific tubing, medium and operating temperature. The default calibration parameters are set to water at 37°C (98.6°F) and either PVC or silicone tubing, but each sensor can store up to seven calibration tables with different parameters depending on your applications and requirements.

Resolution

Air pressure	70 to 106 kPa
Operating temperature range	10 to 40 °C (50 to 104 °F)
Storage temperature range	-20 to 45 °C (-4 to 113 °F)
Transport temperature range	-20 to 55 °C (-4 to 131 °F)
Humidity operation	30 to 75 % (non-condensing)
Humidity storage and transport	10 to 96 %

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Where Innovation Flows

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