



- 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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