

Solutions in
Medical
Engineering



Sono TT
Ultrasonic
Flowmeter

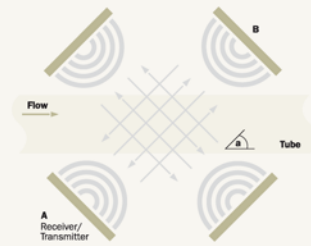
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Transit- Time Principle

Transit-time flowmeters measure the difference in travel-time between pulses transmitted in a single path along and against the flow.

One or two piezo-ceramic transducer-pairs are used. Each transducer-pair alternately transmits and receives bursts of ultrasonic energy.

The difference in the transit-times in the upstream vs. the downstream direction measured over the same path can be used to calculate the flow through the tube.



Sono TT Ultrasonic Flowmeter

Transit-Time Flowmeter with easy to read dot-matrix LED display and dynamic bar-graph flow-display. Adjustable high and low flow alarms. RS 232 interface for data transfer to PC.

Weight	3,3 kg
Size (WxHxD)	210 x 90 x 293 mm
AC Power Supply	100 – 240 VAC, 50-50 Hz, max. 40 VA
Probes	Z or X type configuration
Measurement Range	± 20 lpm, depending on probe type
Resolution	0,01 lpm in the range of 0 – 9,99 lpm 0,1 lpm in the range of 10 – 20 lpm
Flow Display	
Averaging Time	adjustable from 0,5 to 5 sec.
Communication	RS 232



Flow Probes

Robust Clamp-On Flow-Probes for silicon or pvc tubing. Probes are pre-calibrated for maximum accuracy. Up to 7 calibration tables can be stored in an EPROM. For custom-specific calibration please ask our technical support engineers. Probes are water-proof and easy to clean.

Type of probe	X-type
Probe accuracy	typ. ± 7%, (± 3% or better attainable with optimized measurement set-up)
Cable	2 meters
Connector	High –Density D-Sub, 15 Pin
Calibration	Pre-Calibrated, data stored in an EPROM



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