

Solutions in
Medical
Engineering



**Sono TT
Ultrasonic
Flowcomputer**

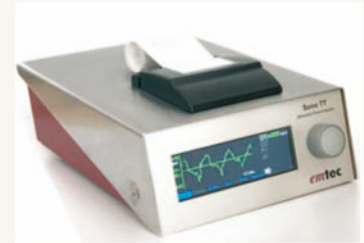
emtec

Sono TT Ultrasonic Flowcomputer

Transit-Time Flowcomputer with a bright and very readable TFT graphics display.

- bright TFT screen
- easy one-knob operation of all functions
- numeric or graphic display mode
- flow-volume measurement mode
- one or two flow channels
- optional pressure measurement channel
- optional analog channel
- optional graphic printer
- high and low limits settable on all channels
- acoustic alarm

Weight	4 kg
Size (WxDxH)	210 x 90 x 293 mm
AC Power Supply	100 – 240 VAC, 50-50 Hz, max. 40 VA
Probes	Z or X type configuration
Flow Measurement	
Range	± 32 lpm, depending on probe type
Resolution	0,001 lpm in the range of 1 – 0,999 lpm 0,01 lpm in the range of 1,00 – 9,99 lpm 0,1 lpm in the range of 10,0 – 32,0 lpm
Pressure Measurement	
Range	-250 to +350 mmHg
Resolution	1 mmHg
Safety Type	CF, Defibrillation Proof
Analog Measurement	
Range	± 4 V
Resolution	0,01 V
Communication	RS 232



Clamp-On 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



Vascular Flow-Probes

High quality workmanship Ultrasonic Flow Probes for the measurement of blood flow in vessels and grafts. The probes are showing excellent accuracy and stability. Calibration data are stored in the probe.

The probes can be machine washed and sterilized with **steam**, ethylene oxide (EtO), low temperature steam and formaldehyde sterilisation (LTSF) and low temperature plasma (LTP). **We guaranty 50 sterilisation cycles.**

Type of probe	Reflection-Type
Probe accuracy	typ. ± 15%, (better accuracy attainable with optimized measurement set-up)
Cable	2,8 meters
Connector	High-Density, 14 Pin Round
Calibration	Pre-Calibrated, data stored in an EPROM



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