

- Highly integrated universal transit-time ultrasonic flow measurement board
- Low power consumption
- RS-232 (TTL-Level) or CAN Interface
- More possibilities with adapters
- Designed for integration in medical devices according to IEC 60601 standards

### Technical Specification

<b>Size (L x W)</b>	72 mm x 50 mm
<b>Total height</b>	8.8 mm
<b>Thickness PCB</b>	1.5 mm
<b>Height bottom side</b>	2.0 mm
<b>Operation Voltage</b>	3.3 Volt $\pm$ 2.5%
<b>Power consumption</b>	Typical 1.32 Watt, max at startup $\leq$ 1.8 Watt
<b>Current consumption</b>	$\leq$ 550 mA
<b>Signal output UART RS-232 TTL-Logic</b>	Possible Baudrates: 9600, 19200, 38400, 57600, 115200 Baud default setting: 115200 Baud
<b>Signal output CAN</b>	Possible Baudrates: 25, 50, 100, 125, 200, 250, 500, 1.000 Kbaud default setting: 500 kbaud
<b>Default output frequency</b>	10 Hz (other output rates on request)

### Physical Specifications

<b>Connection type to host</b>	JST SH connector 9 pol or samtec 40 pol
<b>Sensor connection type</b>	Cable set (round plug) for SonoTT™ Clamp-On Transducers
<b>IP-Code</b>	IPX0

### Directives and standards

<b>Software</b>	DIN EN 62304, class C
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### Special functions

<b>Other functions</b>	Offset stability, configurable sampling rate, field upgradable
<b>Specific functions</b>	ECMO (R-Trigger) or other medical applications
<b>Resolution</b>	1 ml/min
<b>Zeroing</b>	A zero flow adjustment must be carried out before each measurement to avoid possible offsets from the measured values.

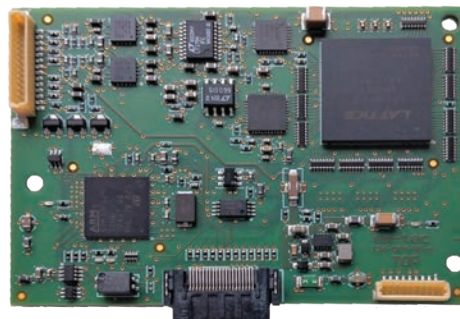
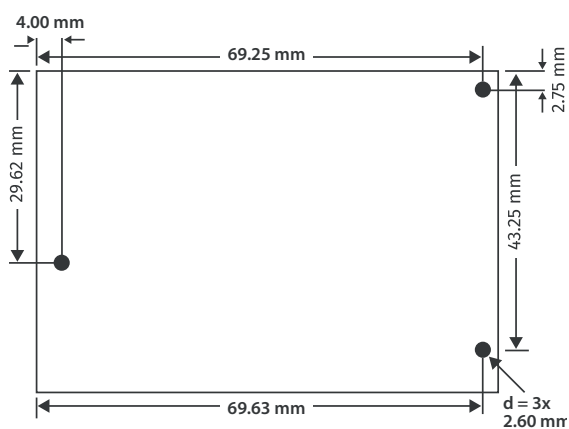
## Ambient Conditions

Atmospheric pressure	70 to 106 kPa
Operating altitude	Up to 3000 m (9842 feet)
Operating temperature	5 to 45 °C (50 to 104 °F)
Humidity operation	30 to 75 % (non-condensing)
Storage temperature range	-20 to 45 °C (-4 to 113 °F)
Transport temperature range	-20 to 85 °C (-4 to 131 °F)
Humidity storage and transport	10 to 96 % (non-condensing)

## Technical Drawings

Width 43.25 mm

Length 69.63 mm



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