

- Series of integrable flow measurement boards
- High customization level according to IEC 60601 standards
- Available as 2-in-1-variant for flow measurement and bubble detection
- Different interface and adapter options

Technical Specifications*

SonoTT™ SkyLark	one	one+	silver	gold
Size (L x W)	50 x 72 mm	60.3 x 72 mm	50 x 72 mm	50 x 72 mm
Total Height		10 mm		
Thickness PCR		1.5 mm		
Height Bottom Side		2 mm		
Operation Voltage		+ 3.3 V ± 2.5%		
Power Consumption		≤ 1.8 W		
PCM Material		UL 94 V-0		

*Please note that, by itself, the board is no medical device.

Physical Specifications

Connection to Host System	JST 9-pin or Samtec 40-pin	JST 9-pin	JST 9-pin or Samtec 40-pin	JST 9-pin or Samtec 40-pin
Sensor Connection	Cable set (round plug) for SonoTT™ Clamp-On SL			
IP Code	IPX0			

Interfaces

UART	TTL	RS-232	x	x
Default Output Rate	10 Hz	10 Hz	-	-
Default Baud Rate	38 400 baud	115 200 baud	-	-
CAN	✓	✓	✓	✓
Default Output Rate	10 Hz	10 Hz	output string 1: 1 Hz output string 2: 1 000 Hz	10 Hz
Default Baud Rate	500 kBaud	500 kBaud	1 000 kBaud	500 kBaud

Functions

Flow Measurement	✓	✓	✓	✓
Bubble Detection	x	x	x	✓

Directives and Standards

Software	DIN EN 62304, Class C
Medical Devices	IEC 60601

Additional Information

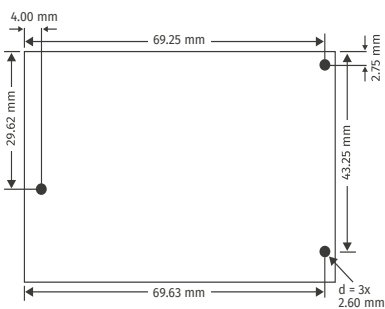
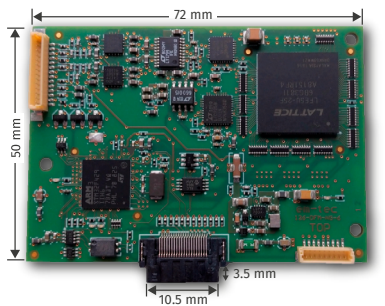
Bubble Detection	With error status information based on RSS value (for SonoTT™ SkyLark gold / gold+)
Resolution	1 ml/min
Zeroing	A zero flow adjustment must be carried out before each measurement to avoid possible offsets from the measured values

Ambient Conditions

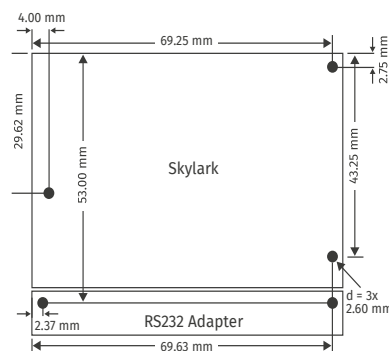
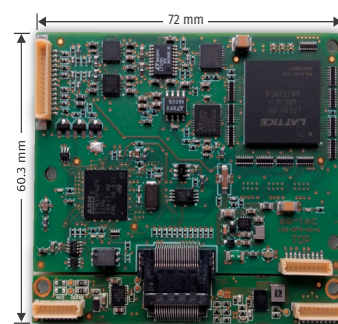
Atmospheric Pressure	70 kPa to 106 kPa
Operating Altitude	up to 3000 m (9842 feet)
Operating Temperature Range	5 °C to 45 °C (50 to 104 °F)
Storage Temperature Range	-20 °C to 45 °C (-4 °F to 113 °F)
Transport Temperature Range	-20 °C to 85 °C (-4 °F to 131 °F)
Humidity during Operation	30 % RH to 75 % RH (non-condensing)
Humidity during Storage and Transport	10 % RH to 96 % RH (non-condensing)

Technical Drawings

SonoTT™ SkyLark without adapter



SonoTT™ SkyLark + RS-232 adapter



em-tec

em-tec GmbH
 Lerchenberg 20
 86923 Finning, Germany
 P: +49 8806 9236 0
 F: +49 8806 9236 50
 E: em-tec-info@psgdoover.com

em-tec.de

D126-711 SonoTT™ SkyLark - Technical Data Sheet - V4.0 | EMT-20003-T-01-A4
 © 2021 PSG, a Dover company