

S2C Echosounder

PRODUCT INFORMATION



Integrated into Evologics Sonobot ASV 80-120 kHz wideband signals
Depth indication and echogram plot
Autorange or user-adjustable depth range
Adjustable sounding rate - up to 5 Hz
Depth range from 0.5 m to 250 m

TECHNICAL SPECIFICATIONS

FREQUENCY DEPTH RANGE 0.5 - 250 m RESOLUTION / ACCURACY 1 mm / 6 mm 11° SOUNDING RATE Up to 5 Hz, adjustable SOUND PRESSURE LEVEL 190 dB re 1 µPa @ 1m PARAMETERS Adjustable Sound velocity, Threshold, Gain Ethernet, data stored on Sonobot payload PC Single depth values Echogram CONSUMPTION POWER SUPPLY 10 - 18V, 3A DIMENSIONS L 240 mm x W 90 mm x H 135 mm WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C Storage: 5° - 55° C			
RESOLUTION / ACCURACY BEAM WIDTH 11° SOUNDING RATE Up to 5 Hz, adjustable SOUND PRESSURE LEVEL 190 dB re 1 µPa @ 1m PARAMETERS Adjustable Sound velocity, Threshold, Gain Ethernet, data stored on Sonobot payload PC Single depth values Echogram CONSUMPTION 30 W / 15V POWER SUPPLY 10 – 18V, 3A DIMENSIONS L 240 mm x W 90 mm x H 135 mm WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C	GENERAL	FREQUENCY	80 – 120 kHz wideband sweeps
SOUNDING RATE SOUND PRESSURE LEVEL 190 dB re 1 µPa @ 1m PARAMETERS Adjustable Sound velocity, Threshold, Gain Ethernet, data stored on Sonobot payload PC Single depth values Echogram CONSUMPTION POWER SUPPLY DIMENSIONS L 240 mm x W 90 mm x H 135 mm 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C		DEPTH RANGE	0.5 - 250 m
SOUNDING RATE SOUND PRESSURE LEVEL 190 dB re 1 µPa @ 1m PARAMETERS Adjustable Sound velocity, Threshold, Gain Ethernet, data stored on Sonobot payload PC Single depth values Echogram CONSUMPTION POWER SUPPLY DIMENSIONS L 240 mm x W 90 mm x H 135 mm TEARREDATURE Operating: 0° - 45° C		RESOLUTION / ACCURACY	1 mm / 6 mm
SOUND PRESSURE LEVEL 190 dB re 1 µPa @ 1m PARAMETERS Adjustable Sound velocity, Threshold, Gain Ethernet, data stored on Sonobot payload PC Single depth values Echogram CONSUMPTION 30 W / 15V POWER SUPPLY 10 – 18V, 3A DIMENSIONS L 240 mm x W 90 mm x H 135 mm WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C		BEAM WIDTH	11°
PARAMETERS Adjustable Sound velocity, Threshold, Gain Ethernet, data stored on Sonobot payload PC Single depth values Echogram CONSUMPTION POWER SUPPLY DIMENSIONS L 240 mm x W 90 mm x H 135 mm WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C		SOUNDING RATE	up to 5 Hz, adjustable
Ethernet, data stored on Sonobot payload PC Single depth values Echogram CONSUMPTION 30 W / 15V POWER SUPPLY 10 - 18V, 3A DIMENSIONS L 240 mm x W 90 mm x H 135 mm WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C		SOUND PRESSURE LEVEL	190 dB re 1 µPa @ 1m
Echogram	DATA	PARAMETERS	Adjustable Sound velocity, Threshold, Gain
DIMENSIONS L 240 mm x W 90 mm x H 135 mm WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C		DATA OUTPUT	Single depth values
DIMENSIONS L 240 mm x W 90 mm x H 135 mm WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C	POWER	CONSUMPTION	30 W / 15V
WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C		POWER SUPPLY	10 – 18V, 3A
WEIGHT 1.3 kg (including transducer cover for Sonobot) Operating: 0° - 45° C Storage: -5° - 55° C	PHYSICAL	DIMENSIONS	L 240 mm × W 90 mm × H 135 mm
Operating: 0° - 45° C Storage: -5° - 55° C		WEIGHT	1.3 kg (including transducer cover for Sonobot)
		TEMPERATURE	

The S2C Wideband Single Beam echosounder is integrated into the Sonobot ASV and offers high-resolution bathymetric measurements. Furthermore, it can provide an echogram for additional analysis of the seafloor. Optimized echo-signal processing results in improved noise-immunity and high spatial/depth resolution.

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