

SLD-100

ECHO SOUNDER

SatLab SLD-100 is a compact survey grade depth sounder with operational depth ranging from 30 cm to 100 meters. It provides standard depth string streams in \$SDDPT, \$SDDBT and \$YXMTW at 1Hz, 4800 bps which makes the SLD-100 compatible with any Hydrographic Surveying Software package.

SLD-100 is independently powered by an internal lithium battery which provides more than 10 hours of continuous operation.

SLD-100 is extremely easy to use simply requiring the unit to be powered on to commence operation.

Position and depth data is logged to any external logging device running compatible software.

Mounting accessories for the SLD-100 and transducer are included in the package making it simple to mount the sounder and to attach a RTK GNSS receiver.

SLD-100 housing is environmentally sealed to a rating of IP65 making it operational in the most challenging environments.



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Technical Specifications

Mechanical Specification	
Measurements (WxHxL)	60 mm x 34 mm x 165 mm
Environmental	Classification IP65
External Power	Connector Mini USB
Indicator LEDs	Green: USB Power source connected, Battery charging Blue: Device turned on
Sonar Transducer Specification	
Beamwidth	11°
Depth Range 0.3 m to	100 m
Resolution in Depth	0.03 m
Ping Rate	5 Hz
Ping Frequency	200 kHz
Data Output Rate	1 Hz
Electrical Specification	
Input Voltage	5 V (standard USB)
Battery Time	~10 h
Operating Current (Average)	300 mA
Battery Capacity	5200 mAh
Max Charge Current (internally limited)	500 mA
Battery Current While in Off State	<< 1 mA
Serial Interface Specification	
Serial Interfaces	BlueTooth, Mini USB
Data Format (both USB and BlueTooth)	4800 baud, 8 bits, 1 stop bit, no parity. NMEA 0183 Standard (\$SDDPT, \$SDDBT and \$YXMTW output)



SATLAB[®]
GEOSOLUTIONS



Headquarters:
Datavägen 21B
SE-436 32 Askim, SWEDEN
info@satlabgps.com | www.satlabgps.com

Regional Offices:
Jičín, CZECH REPUBLIC
info@satlabgps.com | www.satlabgps.com

Ankara, TURKEY
info@satlab.com.tr | www.satlab.com.tr

Scottsdale, USA
info@satlabgps.com | www.satlabgps.com

Warsaw, POLAND
info@satlabgps.com | www.satlabgps.com

Singapore, SINGAPORE
info@satlabgps.com | www.satlabgps.com