

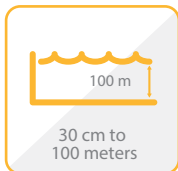


SLD-100
Echo Sounder



SLD-100 Echo Sounder

Portable Depth Sounding System for
Connection to GNSS Systems



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.



Compatible
Software



Durable Safe

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 IP67 making it operational in the most challenging environments.



Mechanical Specification

| | |
|----------------------|---|
| Measurements (WxHxL) | : 60 mm x 34 mm x 165 mm |
| Environmental | : Classification IP67 |
| External Power | : Connector Mini USB |
| Indicator LEDs | : Green: USB Power source connected, Battery charging Blue: Device turned on |



Sonar Transducer Specification

| | Option 1 | Option 2 |
|---------------------|------------------|----------------|
| Beamwidth | : 11° | 9° |
| Depth Range | : 0.3 m to 100 m | 0.4 m to 100 m |
| Resolution in Depth | : 0.10 m | 0.01 m |
| Ping Frequency | : 200 kHz | 200 kHz |
| Data Output Rate | : 1 Hz | 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 |



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