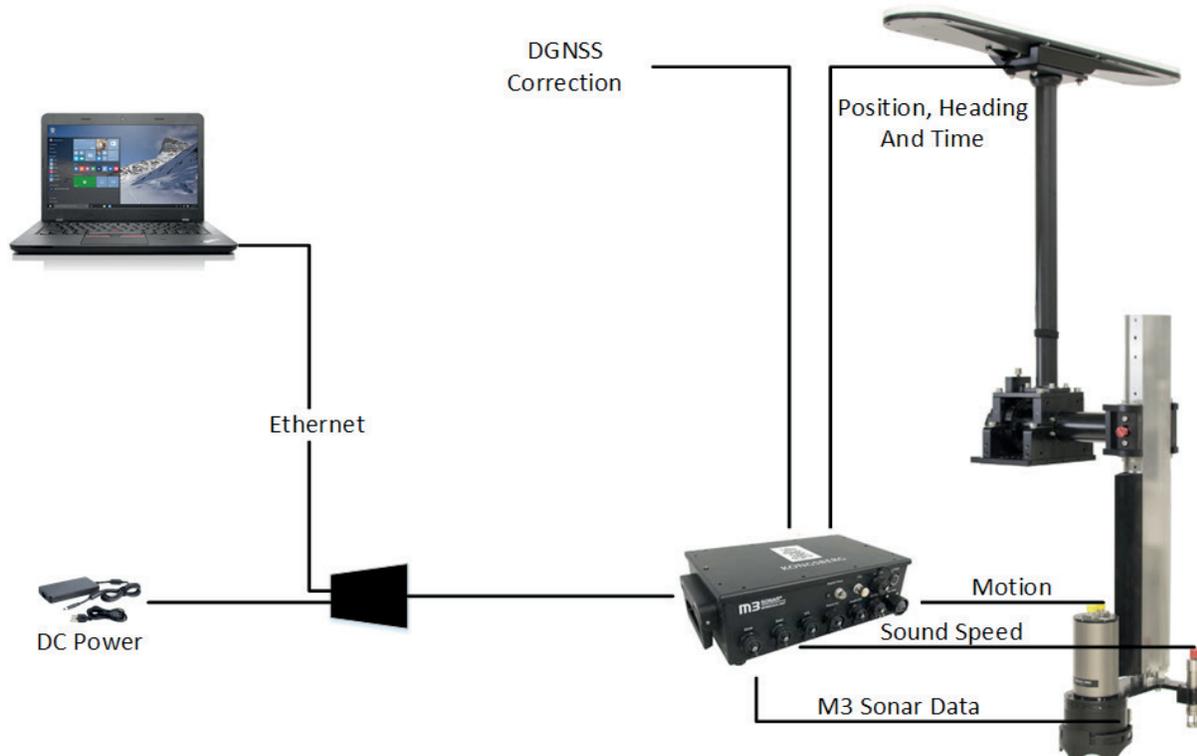
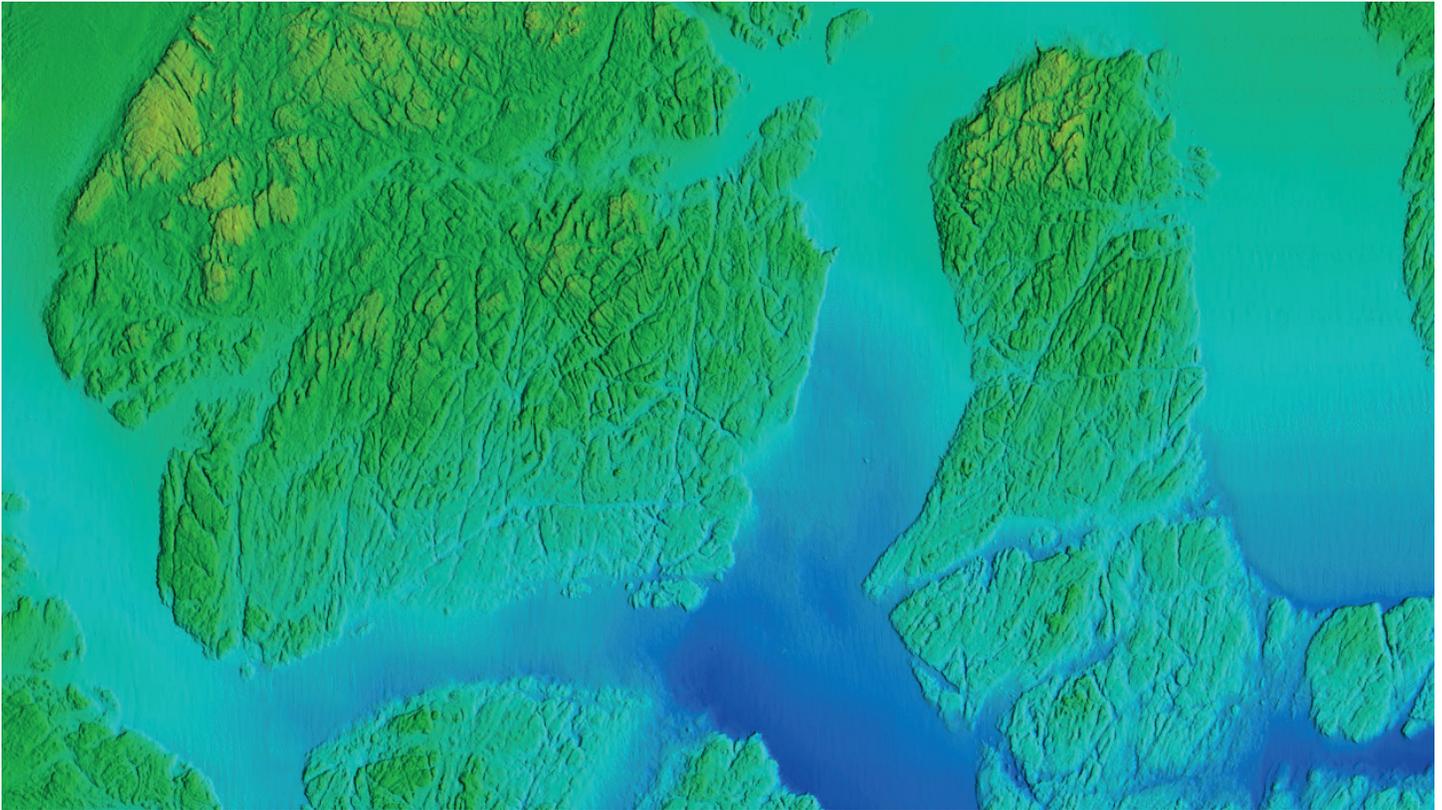




KONGSBERG

M3 SONAR® PHS

SHALLOW-WATER PORTABLE HYDROGRAPHIC SURVEY SYSTEM



<p>M3 Sonar® (500 m depth rating) Operating frequency 500 kHz, Depth range: 0.2 – 50 m , Swath width: 120°, Beam widths: TX 3°, RX 1.6°, Number of beams: up to 256, Pulse form: CW & FM, Effective pulse length: 10 µs - 10 ms, Maximum ping rate: 40 Hz, Weight 1.7 kg (in water), 4.6 kg (in air), IHO SP-44 Special Order & 1a, Materials: Hard Anodized Aluminium , Stainless Steel 316, Elastomeric Polyurethane.</p>	
<p>M3 Sonar® Interface Unit The splashproof deck unit acts as a junction box and provides power for all external sensors including the sonar head for easier cable management and portability.</p>	
<p>Seapath 130 Series Compact Integrated INS/GNSS Heading, Attitude and Positioning Sensor with antennas and receivers. No accuracy degradation in roll, pitch and heave measurements during turns; 120 channel dual frequency GPS/GLONASS receiver, RTK, SBAS correction; can support Omnistar and Marinestar.</p> <p>Seapath 130-3 (with MRU-3) to 0.08° roll & pitch accuracy Seapath 130-H (with MRU-H) to 0.03° roll & pitch accuracy</p>	 <p>Length = 1.2m, Width = 0.2m, Height = 0.1m</p>
<p>Seatex MRU-3 Angle Resolution 0.001°, Heave Accuracy of 5 cm or 5%, Acceleration Accuracy of 0.02 m/s² RMS, Heave range ±50 m, Angle range Roll/ Pitch ± 45°, Acceleration range ±50 m/s², Stainless steel or anodized aluminum housing, Temperature range -5°C to +55°C, IP 68</p> <p>Seatex MRU-H Angle Resolution 0.001°, Heave Accuracy of 5 cm or 5%, Acceleration Accuracy of 0.01 m/s² RMS, Heave range ±50 m, Angle range Roll/ Pitch ±180°, Acceleration range ±30 m/s², Stainless steel or anodized aluminum housing, Temperature range -5°C to +55°C, IP 68</p>	
<p>Pole Mount (USM Compact) Over the side compact shear block pole mount with calibrated break-away design and GNSS mast pole 36" length, anodized aluminum. Z pole Hydrofoil shaped with 60" length (other lengths and various options available on request). Includes M3 Sonar flange to mount sonar head, MRU and speed sound sensor, and base plate with Hinge kit.</p>	

Photos are for illustration purposes only. Specifications subject to change without any notice.