



## Echo Sounder Survey System with Affordable Decimeter GNSS Positioning – World Wide

The CEESCOPE™ ECLIPSE is CEE HydroSystems “all in one” hydrographic echo sounder designed for the Hemisphere Atlas L-Band correction service. With a complete single beam survey system in a compact and waterproof case, including internal battery power, touchpad LED user interface, data logger and now Hemisphere’s ECLIPSE II GNSS receiver, the CEESCOPE™ ECLIPSE is ideal for shallow water surveys anywhere in the world. Offering a scalable approach combining dual frequency GNSS with the world-wide Atlas L-Band correction service, CEESCOPE™ ECLIPSE users gain access to decimeter-accurate positioning and the benefit of multi constellation performance with a single subscription. Only pay for the accuracy that you need, when you need it. Compatible with all hydrographic software packages, the CEESCOPE™ ECLIPSE echo sounder is a complete hydrographic grade single beam survey solution.

Hemisphere’s Atlas is a flexible cost-effective subscription GNSS corrections service, delivering signals to the CEESCOPE™ via L-Band satellites. With 200 reference stations worldwide, L-Band satellites distribute coverage from 75°N to 75°S.

### CEESCOPE Echo Sounder Specifications:

<b>Weight:</b>	<b>3.6 kg (8lbs)</b>
<b>Ping Rate:</b>	<b>1 - 20Hz</b>
<b>Depth Range:</b>	<b>0.2 - 200m (0.6 - 650 ft)</b>
<b>Transducers:</b>	<b>24 kHz, 33 kHz, 200 kHz</b>
<b>Accuracy:</b>	<b>1cm ± 0.1% of depth</b>
<b>Echogram:</b>	<b>3200 samples per ping</b>
<b>Output:</b>	<b>Ethernet, Bluetooth, RS232</b>
<b>Data logger:</b>	<b>USB interface, 16GB</b>

### CEESCOPE Internal GNSS Specifications (with Atlas):

<b>Channels:</b>	<b>394 – Eclipse II OEM</b>
<b>Signals:</b>	<b>GPS L1/L2/L5 GLONASS G1/G2, P1/P2 BeiDou, GALILEO, QZSS</b>
<b>H100:</b>	<b>1 m 95% (50 cm RMS)</b>
<b>H30:</b>	<b>30 cm 95% (15 cm RMS)</b>
<b>H10:</b>	<b>8 cm 95% (4 cm RMS)</b>
<b>Update rate:</b>	<b>10Hz</b>



For more information contact Synergy Positioning Systems or visit the Synergy Positioning Systems website at [www.synergypositioning.co.nz](http://www.synergypositioning.co.nz)  
All branches: Phone 0800 867 266 Email: [info@synergypositioning.co.nz](mailto:info@synergypositioning.co.nz)

