

What happens if the echo sounder is in dual channel mode?

If the echo sounder is in the dual channel mode (only if the second channel and a second transducer is fitted), NAV - OFF is activated without flashing. These windows will display the actual Lat. and Lon. (only if the system is connected to the ship's navigation system).

How does the performance of an echo sounder affect acoustic propagation?

The performance of an echo sounder is limited by the acoustic propagation of sound in water. This is mainly influenced by the transducer mounting place, the operational frequency and the transducer efficiency. The transducer mounting place must be selected in such a way, that the transducer surface is free of air bubbles and turbulence.

What is a good viewing angle for echo sounders?

For clear display readings a viewing angle of $\approx 50^\circ$ perpendicular to the display is recommended. The echo sounder performance is limited by the acoustic in-water characteristics. These are mainly influenced by the transducer mounting position, the operating frequency and the efficiency of electrical-acoustical conversion.

Does my navigational echo sounder need maintenance?

conduct any maintenance. Your navigational echo sounder will perform to the utmost of its ability only if it is operated and maintained in accordance with the correct procedures. This equipment is designed, produced and documented by FURUNO ELECTRIC CO., LTD., complying with ISO 9001 standards as certified by the Lloyd's Register of

How does the navigation echo sounder work?

After each sounding the NAVIGATION ECHO SOUNDER transmits depth information to the Digital Slave Display interface (15 to 60 times per minute, depending upon the measuring range selected) in NMEA, Version 2.00 format. The DPT (Depth) and DBT (Depth Below Transducer) sentences are as follows:

How does cable length affect the performance of echo sounding?

Both the operating frequency and the length of cable between the echo sounder and the transducer influence the performance of echo sounding. At lower frequencies the influence of air bubbles and turbulence decreases, increased depth measurements are possible, energy loss at longer cable length is minimised.

When the Lithium Battery voltage becomes less than 2.66V, "LOW BATTERY ALARM" message is displayed on the screen in red. When the IEC61162 data is interrupted, "EPFS ERROR" message is displayed on the screen in red.

To see if your product has a battery, see the chapter on Maintenance. Follow the instructions below if a

battery is used. Tape the + and - terminals of battery before disposal to prevent fire, heat generation caused by short circuit.

Generally Many echosounders that require a 12V power supply have a voltage range of 10V - 19V input. With the new range of 3S Li-Ion batteries from Enerpower (10.8V - 11.1V) we offer various solutions for the supply of echo sounders. The 3S Li-Ion batteries have a voltage range (output) of 9V - 12.6V and can supply the sonar with approx. 80% of ...

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BATT VOLTAGE: Turn the battery voltage indication (appears at the top right corner on the screen) on or off.
Page 26 **SPEED CALIB.:** If the speed sensor-generated speed indication is wrong, you can correct it here, when "Own" is selected as speed source.

How to discard a used battery Some FURUNO products have a battery(ies). To see if your product has a battery(ies), see the chapter on Maintenance. Follow the instructions below if a ...

monochrome LCD echo sounder. Comprised of a display unit and a transducer, the LS-4100 displays underwater conditions on a bright 5-inch monochrome LCD. The main features of the LS-4100 are o Bright 5-inch monochrome LCD gives excellent readability even in broad daylight. o Automatic function permits unattended adjustment of range and gain ...

To see if your product has a battery, see the chapter on Maintenance. Follow the instructions below if a battery is used. Tape the + and - terminals of battery before disposal to prevent fire, ...

FURUNO LS-4100 5fl Echo Sounder. We are confident you will see why the FURUNO name has become synonymous with quality and reliability. For over 50 years FURUNO Electric Company has enjoyed an enviable reputation for innovative and dependable marine electronics equipment. This dedication to excellence is furthered by our extensive

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There is likely a connection issue if the voltage level at the battery is significantly greater than at the sounder. Verify that the plug's pins are straight and free from corrosion and that all power supply connections are correctly coupled, tight, and secure. Look for any rust on the fuse and the fuse holder. Check the terminations at the circuit breaker and run it numerous times if the ...

Battery 12V 150Ah in Valise intended for fishermen to feed a 12V engine up to 70LBS (or 125A / 1500W MAX), one or more echoes and recharge it phone fast thanks to USB 3.0 ports.

batteries to a battery collection site according to local laws. In the other countries There are no international standards for the battery recycle symbol. The number of symbols can increase when the other countries make their own recycling symbols in the future. Cd. ii SAFETY INSTRUCTIONS Do not power the equipment when the transducer is in air. The transducer ...

Page 1 PORTABLE BLUETOOTH ECHO SOUNDER Ohmex is a company formed to manufacture and distribute products designed by Lymtech Ltd. a company established in 1982 w founded on technological innovation and design. The company prides itself on being the first to produce products in the field of instrumentation and software used within the Earth Science ...

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