



Odom Echotrac CV100-S

Move into the digital age with echo sounders from Odom Hydrographic Systems. If your survey does not require traditional paper records, then forget about piles of hard copy - the CV100-S has eliminated all that in favor of digital imaging on a PC-based data acquisition system. With the same technology as the popular Echotrac CV and Echotrac MKIII, including Ethernet communications, Odom's CV100-S single frequency is ready to make your transition to the convenience of all-digital systems painless and worry-free.

CV100-S Specifications

Tx/Rx Frequency:

Frequency agile in 2 bands (specify band at time of order)

- High: 100 kHz – 750 kHz (manual tuning in 1 kHz steps)
- Low: 24 kHz – 50 kHz (manual tuning in 1 kHz steps)

Resolution

- 0.01 m, 0.1 ft

Accuracy:

Corrected for sound velocity

- 200 kHz – 0.01 m +/- 0.1% depth
- 33 kHz – 0.10 m +/- 0.1% depth

Output Power

- Up to 200 watts RMS (each channel)
- < 1 watt minimum

Ping Rate

- Up to 20 Hz in shallow water (10 m) range

Depth Range

- From <30 cm to 600 m (depending on frequency and transducer selected)

Input Power Requirement

- 9-32 V DC < 30 watts
- 115/240 VAC with included power converter "brick".

Weight

- 5 kg (11 lbs)

Dimensions

- 28 cm w (11 in) x 23 cm l (9 in) x 11.5 cm (4.5 in)

Mounting

- Desktop or bulkhead mount (fixing hardware included)

Ports/Interface:

- Ethernet (LAN) plus
- 4 x RS232 or 3 x 232 and 1 RS422
- Inputs from external computer, motion sensor, sound velocity
- Outputs to external computer or remote display
- Output string: Odom Echotrac SBT, Echotrac SBT + Gain, NMEA DBS, NMEA DBT, DESO 25
- Heave Input – TSS1 or “Sounding Sentence”

Features

- Echotrac Control SW - Simple Windows compatible graphical user interface

- Storage of full ping to seabed data in .XTF format with Optional ChartView Software
- Multiple TVG (time varied gain) curves (10, 20, 30, and 40 log)
- Auto gain control
- DSP digitizer with manual filter control
- Manual or auto scale changes (phasing)
- Calibration menu with controls for transducer draft and index plus sound velocity and bar depth controls
- Waterproof
- Help menus
- Flash memory upgradeable

All necessary cables and software required to interface and operate the CV100-S are included.

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