

# ▶ ECHOTRAC™ CV-100



## DIGITAL SURVEY ECHO SOUNDER

- ▶ Ethernet port for Control and Output plus 4 serial ports
- ▶ Frequency Agile Transceiver
- ▶ Small Size, rugged construction, waterproof (IP-67 protection)
- ▶ 9 to 32 VDC Power (< 15 watts)



**TELEDYNE**  
**ODOM HYDROGRAPHIC**  
A Teledyne Technologies Company



# ECHOTRAC™ CV-100

Move into the digital age with echo sounders from Teledyne Odom Hydrographic. If your survey does not require traditional paper records, then forget about piles of hard copy—the CV-100 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, Teledyne Odom's CV-100 single frequency is ready to make your transition to the convenience of all-digital systems painless and worry-free.

## GENERAL 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: 10 kHz – 50 kHz (manual tuning in 1 kHz steps) variable Receiver bandwidth

### 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 300 watts RMS
- < 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 < 15 watts

### Weight

- 5 kg (11 lbs)

### Dimensions

- 28 cm W (11 in) x 23 cm H (9 in) x 11.5 cm (4.5 in) D

### Mounting

- Desktop or bulkhead mount (fixing hardware included)

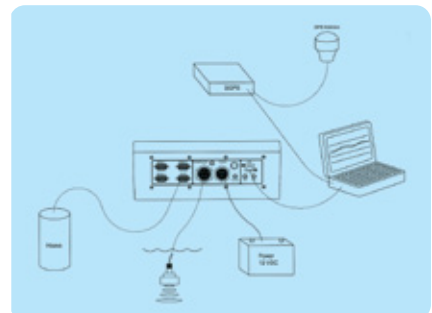
### Ports/Interface:

- Ethernet (LAN) plus
- 4 x RS232 or 3 x 232 and 1 x RS422
- Inputs from external computer, motion sensor, sound velocity
- Outputs to external computer or remote display
- Output string: Odom Echotrac SBT, NMEA DBS, NMEA DBT, DESO 25
- Heave Input – TSS1 or "Sounder Sentence"
- Echotrac Control SW - Simple Windows compatible graphical user interface
- Storage of full ping to seabed data in DSO format with e-Chart (Easily compressed or converted to .XTF for additional processing)

## FEATURES

- 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 (IP67)
- Help menus
- Flash memory upgradeable
- Auto Gain and Auto Power Modes for minimal operator input
- SILAS compatible output

### ► CONFIGURATION EXAMPLE: CV-100



► See our entire product line at: [odomhydrographic.com](http://odomhydrographic.com)