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 CV100 single or dual channel sounder is ready to simplify your transition to the convenience of an all-digital system.

**PRODUCT FEATURES**

- Multiple time varied gain (TVG) curves (10, 20, 30, and 40 log)
- 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
- Rugged and waterproof (IP65)
- Help menus
- Flash memory upgradeable
- Auto Gain and Auto Power Modes for minimal operator input
- Suitable for autonomous vessels

Photo courtesy of Teledyne Oceanscience.
## TECHNICAL SPECIFICATIONS

### Single Channel Configuration

<table>
<thead>
<tr>
<th>Configuration</th>
<th>High: 100kHz-750kHz (manual tuning in 1-kHz steps)</th>
<th>Low: 3.5kHz-50kHz (manual tuning in 1-kHz steps) variable receiver bandwidth</th>
</tr>
</thead>
</table>

### Dual Channel Configuration

<table>
<thead>
<tr>
<th>Configuration</th>
<th>High: 100 kHz-340kHz</th>
<th>Low: 24 kHz-50kHz</th>
</tr>
</thead>
</table>

### Resolution

- 0.01m, 0.1 ft.

### Accuracy (corrected for sound velocity)

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

### Output Power

- Up to 300 watts RMS
- < 1 watt minimum

### Ping Rate

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

### Depth Range

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

### Input Power Requirement

- 9-32VDC < 15 watts

### Weight

- 5kg (11lbs)

### Dimensions

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

### Environmental

- Operating: 0-50°C
- Storage: -20°-70°C

### Options

- Heave Sensor

### Software Control & Logging Software

- Windows based software included: eChart Display

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

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**eChart Software.**