

Teledyne Odom Hydrographic

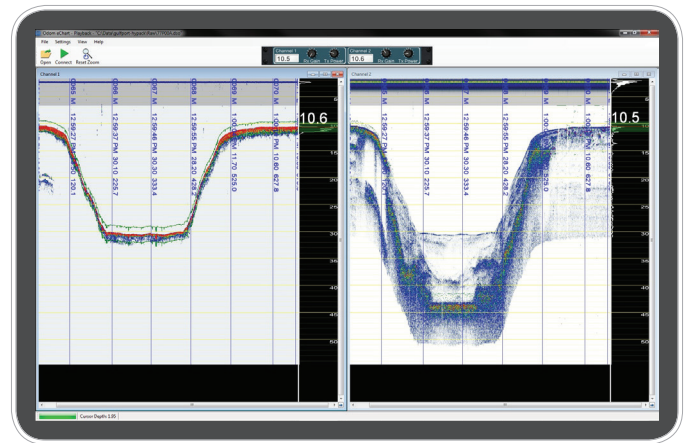
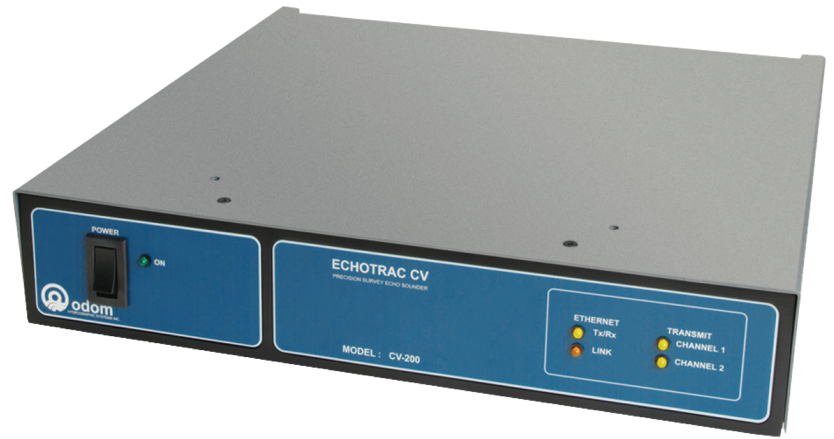
# Echotrac CV200/300

Hydrographic Echo Sounder

## Multiple Channels, Multiple Applications

You asked for more convenience and superior efficiency in your hydrographic survey tools. Teledyne Odom answered.

With the ECHOTRAC CV, Teledyne Odom delivers the perfect union of flexibility and technology, viewed through a user-friendly networked Windows interface, e-Chart. Alongside the advanced features and options that made the Echotrac MKIII a stand-out product, the CV brings users to the next level by providing an optional third acoustic channel. Whether it's a side scan, bathymetric or a shallow subbottom investigation, the CV has the flexibility to handle the task!



*Gulfport, Mississippi ship channel.*

### PRODUCT FEATURES

- Selectable Receiver bandwidth for shallow/deep water echo sounding
- Silas compatible output for sediment analysis
- Rack mountable
- Frequency agile
- Four serial ports and Ethernet interface
- AC or DC power input
- Interactive Help menus

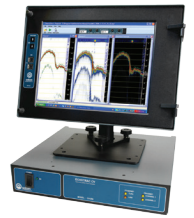
### Options

- Remote display
- Side scan transducer-single or dual channel side-looking 200kHz or 340kHz for search and reconnaissance
- Built-in DGPS
- Subbottom Array (3.5kHz 4-element array with stainless steel mounting frame typical)
- Third acoustic channel (multiple configurations)
- Wide selection of transducers
- Color LCD chart with internal data storage
- High resolution thermal paper recorder



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## TECHNICAL SPECIFICATIONS

<b>Frequency</b>	High band: 100kHz-1 MHz Low band: 3.5kHz-50kHz
<b>Output Power</b>	High: 100kHz-1kW RMS max 200kHz-900W RMS max, 750kHz-300W RMS max Low: 12kHz-2kW RMS max, 50kHz-2kW RMS max
<b>Input Power</b>	110 or 220VAC-24VDC 120 watts start/50 watts run
<b>Resolution</b>	0.01m/0.1 ft
<b>Accuracy</b>	0.01m / 0.10 ft +/- 0.1% of depth @ 200kHz 0.10m / 0.30 ft +/- 0.1% of depth @ 33kHz 0.18m / 0.60 ft +/- 0.1% of depth @ 12kHz
<b>Depth Range</b>	0.2-200m/0.5-600 ft @ 200kHz 0.5-1600m/1.5-5000 ft @ 33kHz 1.0-4000m/3.0-13,000 ft. @ 12kHz
<b>Phasing</b>	Automatic scale change, 10%, 20%, 30% overlap or manual
<b>Printer (optional)</b>	High resolution 8 dot/mm (203dpi); 16 gray shades; 216mm (8.5 in) wide thermal paper or film; External ON/OFF switch; Paper advance control
<b>Paper Speed</b>	1cm/min (0.5 in/min) to 22cm/min (8.5 in/min); Auto = one dot row advance for each Ping
<b>LCD Display (optional)</b>	15 in TFT screen; High-Bright (500 NIT); internal data storage DSO on 40GB hard disk; Data transfer via Ethernet interface or USB flash drive; Windows XP Embedded
<b>Sound Velocity</b>	1370-1700m/s Resolution 1m/s
<b>Transducer Draft Setting</b>	0-15m (0-50 ft)
<b>Clock</b>	Internal battery backed time, elapsed time, and date clock
<b>Annotation</b>	Internal-date, time, GPS position External-from RS232 or Ethernet
<b>Interfaces</b>	4 x RS232 or 3 x RS232 and 1 x RS422 Inputs from external computer, motion sensor Outputs to external computer, remote display Outputs with LCD chart-VGA video out Ethernet interface Heave-TSS1 or sounder sentence
<b>Blanking</b>	0 to full scale
<b>Software</b>	TOH's Widows™-based software included: <b>eChart</b> Display, Control & Logging Software
<b>Environmental</b>	Operating temperature: 0°-50°C, 5-90% relative humidity, non-condensing
<b>Dimensions</b>	89mm (3.5 in) H x 432mm (17 in) W x 325mm (12.8 in) D
<b>Weight</b>	16kg (35lbs.)