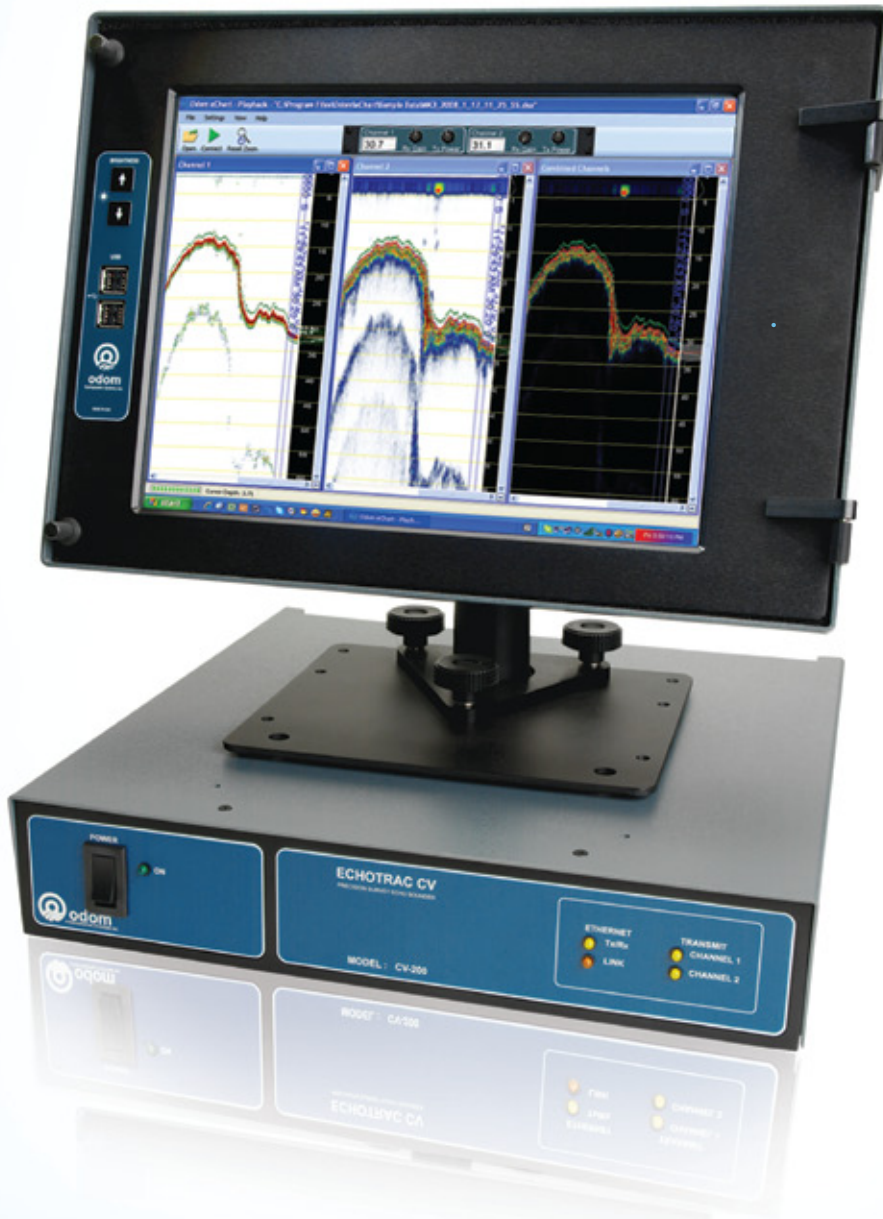


▶ ECHOTRAC™ CV



Tecnología a su medida



HYDROGRAPHIC ECHO SOUNDER

Dual Frequency with Optional Third Channel and Optional LCD Display

- ▶ Modular "black box" configuration includes rack mount option, Ethernet LAN interface, frequency agile configurable transceivers, standard serial interfaces for data acquisition systems, motion sensors and DGPS receivers.
- ▶ Options include modular sunlight viewable color LCD chart with internal data storage, high-resolution thermal paper recorder or display and control on your PC!



TELEDYNE
ODOM HYDROGRAPHIC
A Teledyne Technologies Company



Edificio Antalia
Albasanz, 16
28037 MADRID
Tel. 91 567 97 00
Fax: 91 570 26 61

www.alavaingenieros.com

Torre Mapfre-Vila Olímpica
Marina, 16 - Planta 11-C2
08005 BARCELONA
Tel. 93 459 42 50
Fax: 93 459 42 62

alava@alava-ing.es



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!

GENERAL SPECIFICATIONS

Frequency

- High band: 100 kHz – 1 MHz
- Low band: 3.5 kHz – 50 kHz

Output Power

- High: 100 kHz – 1 kW RMS max 200 kHz – 900 W RMS max, 750 kHz – 300 W RMS max
- Low: 12 kHz – 2 kW RMS max, 50 kHz – 2 kW RMS max

Input Power

- 110 or 220 V AC – 24 V DC 120 watts start/ 50 watts run

Resolution

- 0.01 m/0.1 ft

Accuracy

- 0.01 m / 0.10 ft +/- 0.1% of depth @ 200 kHz
- 0.10 m / 0.30 ft +/- 0.1% of depth @ 33 kHz
- 0.18 m / 0.60 ft +/- 0.1% of depth @ 12 kHz

Depth Range

- 0.2 – 200 m / 0.5 – 600 ft @ 200 kHz
- 0.5 – 1600 m / 1.5 – 5000 ft @ 33 kHz
- 1.0 – 4000 m / 3.0-13,000 ft. @ 12 kHz

Phasing

- Automatic scale change, 10%, 20%, 30% overlap or manual

Printer (optional)

- High resolution 8 dot/mm (203 dpi), 16 gray shades
- 216 mm (8.5 in) wide thermal paper or film
- External ON/OFF switch
- Paper advance control

Paper Speed

- 1 cm/min (0.5 in/min) to 22 cm/mm (8.5 in/min), Auto = one dot row advance for each Ping

LCD Display (optional)

- 15 in TFT screen
- High-Bright (500 NIT)
- Internal data storage DSO on 40 GB hard disk
- Data transfer via Ethernet interface or USB flash drive
- Windows XP Embedded

Sound Velocity

- 1370 – 1700 m/s
- Resolution 1 m/s

Transducer Draft Setting

- 0 – 15 m (0 – 50 ft)

Depth Display

- On control PC and remote LCD display

Clock

- Internal battery backed time, elapsed time and date clock

Annotation

- Internal – date, time, GPS position
- External – from RS232 or Ethernet

Interfaces

- 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

Blanking

- 0 to full scale

Installation

- Desktop or optional rack mount and bulkhead mount

Software

- e-Chart supplied

Environmental Operating Temperature

- 0° – 50° C, 5 – 90% relative humidity, non-condensing

Dimensions

- 89 mm (3.5 in) H x 432 mm (17 in) W x 325 mm (12.8 in) D

Weight

- 16 kg (35 lbs.)

Options

- Third acoustic channel (multiple configurations)
- Remote display
- Side scan transducer – single or dual channel side looking 200 kHz or 340 kHz for search and reconnaissance
- Built-in DGPS
- Subbottom Array (3.5 kHz 4 element array with stainless steel mounting frame typical)
- Wide selection of transducers

Features:

- Selectable Receiver bandwidth for shallow/ deep water echo sounding
- Silas compatible output for sediment analysis

