

# ▶ ECHOTRAC™ CVM



## MOBILE HYDROGRAPHIC SYSTEM

- ▶ Portable carry-on case style supports a dual frequency echo sounder with optional DGPS receiver, notebook PC and bundled data acquisition software.
- ▶ Features include Ethernet LAN interface, frequency agile configurable transceivers, standard serial interfaces for data acquisition systems, motion sensors and DGPS receivers.



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



# ECHOTRAC™ CVM

The rugged and weatherproof Echotrac CVM outperforms other echo sounders in its class, offering the utmost in portability without sacrificing Teledyne Odom performance standards.

With a choice of dual or single frequency operation, optional built-in DGPS and notebook PC bundled with your choice of data acquisition software, the CVM has everything you need in an echo sounder – even when portability isn't an issue.

## GENERAL SPECIFICATIONS

### Frequency

- High band: 100 kHz – 340 kHz
- Low band: 24 kHz – 50 kHz

### Output Power

- High: 200 kHz – 350 W RMS max
- Low: 24 kHz – 420 W RMS max

### Input Power

- 24 V DC (nominal) 15 watts
- 110 or 220 V AC

### 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

### Depth Range

- 0.2 – 200 m/0.5 – 600 ft. @ 200 kHz
- 0.5 – 600 m/1.5 – 1968 ft. @ 200 kHz

### Phasing

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

### Sound Velocity

- 1370 – 1700 m/s
- Resolution 1 m/s

### Transducer Draft Setting

- 0 – 15 m (0 – 50 ft)

### Depth Display

- On control PC

### Clock

- Internal battery backed time, elapsed time and date clock

### Annotation

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

### Interfaces

- 2 x RS232
- Inputs from external computer, motion sensor
- Outputs to external computer
- Ethernet interface
- Heave – TSS and sounder sentence

### Blanking

- 0 to full scale

### Software

- E-Chart display, control, and logging software

### Help

- The function of each parameter and its minimum and maximum values can be displayed.

### Environmental Operating Conditions

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

### Dimensions

- 55 cm W x 41.5 cm D x 21.5 cm H

### Weight

- 14 kg (31 lbs)

### Options

- Single or dual frequency operation
- Side scan transducer – single or dual channel side looking 200 kHz or 340 kHz for search and reconnaissance
- Built-in DGPS
- Ruggedized notebook PC bundled with data acquisition software



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