

ODOM ECHOTRAC CVM™



odom
HYDROGRAPHIC SYSTEMS



MOBILE HYDROGRAPHIC SYSTEM

- Portable carry-on case style includes a single or 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.

ODOM ECHOTRAC CVM™

The rugged and weatherproof **Echotrac CVM™** outperforms other echosounders in its class, offering the utmost in portability without sacrificing Odom performance standards.

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

Buy Odom – invest in your peace of mind.

C V M S P E C I F I C A T I O N S

Frequency

- High band: 100 kHz – 1 MHz
- Low band: 10 kHz – 50 kHz

Output Power

- *High*: 100 kHz – 500 W RMS max 200 kHz – 400 W RMS max, 750 kHz – 200 W RMS max
- *Low*: 12 kHz – 1 kW RMS max, 50 kHz – 750 W RMS max

Input Power

- 110 or 220 V AC or 24 V DC 50 watts

Units

- Feet
- Meters

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 m – 600 ft @ 200 kHz
- 0.5 – 1500 m/1.5 – 4,500 ft @ 33 kHz

Chart Scales

- 5, 10, 20, 40, 80, 100, 200, 400, 800, 1600 m
- 15, 30, 60, 120, 240, 300, 600, 1200, 2400, 4800 ft

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, sound velocity
- Outputs to external computer
- Ethernet interface
- Heave – TSS and sounder sentence

Blanking

- 0 to full scale

Software

- Echotrac Control software
- ChartView display 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

- 53 cm (20.75 in) h x 44 cm (17.25 in) w x 21.5 cm (8.5 in) d

Weight

- 13.8 kg (31 lbs)

Options

- One or two acoustic channel
- Side scan transducer – single or dual channel side looking 200 kHz or 340 kHz for search and reconnaissance
- Built-in DGPS
- Notebook PC bundled with data acquisition software



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