Teledyne Odom Hydrographic

Echotrac CVM
Mobile Hydrographic System

Tough and Portable

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.

- 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.

PRODUCT FEATURES

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
# TECHNICAL SPECIFICATIONS

| Frequency | High band: 100kHz – 340kHz  
Low band: 24kHz – 50kHz |
|-----------|--------------------------|
| Output Power | High: 200kHz-350W RMS max  
Low: 24kHz-420W RMS max |
| Input Power | 24VDC (nominal) 15 watts  
110 or 220VAC |
| Resolution | 0.01m/0.1 ft |
| Accuracy | 0.01m/0.10 ft +/- 0.1% of depth @ 200kHz  
0.10m/0.30 ft +/- 0.1% of depth @ 33kHz |
| Depth Range | 0.2-200 m/ 0.5-600 ft.@ 200kHz  
0.5-600 m/1.5-1968 ft.@ 33Hz |
| Phasing | Automatic scale change, 10%, 20%, 30% overlap or manual |
| Sound Velocity | 1370-1700m/s  
Resolution 1m/s |
| Transducer Draft Setting | 0-15m (0-0 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 | 55cm W x 41.5cm D x 21.5cm H |
| Weight | 14kg (31lbs) |