Teledyne Odom Hydrographic

Echotrac MK III

Dual-Frequency Echo Sounder

A Complete Survey Solution

Like to keep your options open? Then Teledyne Odom's ECHOTRAC MKIII is the echo sounder for you! It's the only sounder on the market offering you the choice of either a high-resolution thermal paper recorder or a full-sized color LCD chart in interchangeable module format.

When it comes from Teledyne Odom, you know it's durable, easy to use and backed by the best customer service in the industry. Both high and low channels feature frequency agility, enabling the operator to precisely match the transceiver to almost any existing transducer. This matching ability minimizes near-surface noise caused by transducer ringing while increasing echo return strength. The MKIII is capable of both shallow and deep-water operations, and it features unsurpassed interfacing flexibility with four serial ports and high speed Ethernet capability for maximum efficiency.

More than 30 years of technology enhancements, along with unparalleled performance and precision make TOH sounders the number 1 choice for Hydrographic Offices around the world.

PRODUCT FEATURES

- Interchangeable paper chart or color LCD
- Frequency agile (both channels)
- Internal data storage and playback with color LCD
- Four serial ports and Ethernet interface
- AC or DC power input
- Selectable Receiver bandwidth for shallow/deep water echo sounding
- SILAS compatible output for sediment analysis
- Wide selection of transducers
- Interactive Help menus

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TECHNICAL SPECIFICATIONS

Frequency	High band: 100kHz-1MHz Low band: 3.5kHz-50kHz
Output Power	High: 100kHz-1kW RMS max 200kHz-900W RMS max, 750kHz-300W RMS max Low: 3.5kHz-2kW RMS max, 50kHz-2kW RMS max
Input Power	110 or 220VAC / 24 VDC 120 watts start/50 watts run
Resolution	0.01m / 0.10 ft.
Accuracy	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 (corrected for sound velocity)
Depth Range	0.2-200m / 1.0-600 ft. @ 200kHz 0.5-1500m / 1.5-4500 ft. @ 33kHz 1.0-4000m / 3.0-13123 ft. @ 12kHz
Phasing	Automatic scale change, 10%, 20%, 30% overlap or manual
Printer	High resolution 8 dot/mm (203 dpi); 16 gray shades; 216mm (8.5 in) wide thermal paper or film; External ON/OFF switch; Paper advance control
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
Paper Speed	1cm/min. (0.5 in/min.) to 22 cm/min. (8.5 in/min.); Auto = one dot row advance for each Ping
Sound Velocity	1370-1700m/s Resolution 1m/s
Transducer Draft Setting	0-15m (0-50 ft.)
Clock	Internal battery backed time, elapsed time and date clock
Annotation	External-up to 80 ASCII characters from RS232 Serial or Ethernet port
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-video out Ethernet interface Heave-TSS1 or sounder sentence
Software	Odom's Windows based software included: eChart Display, Control & Logging Software
Blanking	0 to full scale
Environmental	MKIII-P: Operating 0–45°C Storage -20°–45°C MKIII-E: Operating 0–50°C Storage -20°–70°C
Dimensions	450mm (17.7 in) H x 450mm (17.7 in)W x 300mm (12.8 in) D
Weight	16kg (35lbs.)
Options	Remote Display; Side Scan Transducer 200kHz or 340kHz; Built-in GPS; Transit Case with handle and wheels; 3.5 kHz 4-element Sub-bottom Array

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