

Teledyne Odom Hydrographic

Hydrotrac II

Single-Frequency
Portable Hydrographic
Echo Sounder

Precise Data Collection in Adverse Conditions

Specifically designed for work in less-than-ideal circumstances on small survey boats and inflatable watercraft, the HYDROTRAC™ II offers compact portability and the confidence of knowing you're using a proven Odom product. It is completely waterproof and comes equipped with the same advanced features you've come to trust and depend on in Odom echo sounders.



Photo courtesy Pan Asia Engineering

PRODUCT FEATURES

- 8.5 in / 216mm thermal printer
- Annotation printed on chart
- LCD display (1 in. high)
- Optional internal GPS with WAAS
- Sealed keypad controls
- Manual/remote mark command
- Auto scale change (phasing)
- External GPS input
- Separate adjustment for power and pulse width
- Heave input from motion sensor
- TVG curve for side scan and bathymetry
- Output: NMEA, ECHOTRAC, DESO 25, etc.
- Splashproof (with front cover in place)
- Fix mark annotation: date, time, fix no., depth and GPS (if input)
- Flash Memory upgrades by SD card
- Built-in simulator
- Full echogram output through Ethernet
- IP67



Hydrotrac II

Single-Frequency Portable
Hydrographic Echo Sounder



TECHNICAL SPECIFICATIONS

Frequency Agile	Operator selectable through menu – 24, 28, 33, 40, 100, 120, 200, 210 and 340 kHz	
Output Power	600 watts	
Power Requirement	11-28 V DC	
Resolution	0.1 ft / 0.01m	
Accuracy	200 kHz – 1cm (0.1% of depth value (corrected for sound velocity)) 33 kHz – 10cm 0.1% of depth value (corrected for sound velocity)	
Maximum Depth Range	600m or 1800 ft.	
Environmental	Operating	0° - 45° C
	Storage	-20° - 45° C
Communication	2 RS232 ports or 1 RS232 and 1 RS422 Ethernet port	8 bit data 1600 samples/ping
Printer	High resolution 8 dot/mm (203 dpi); 16 gray shades; 216mm (8.5 in) wide thermal paper; External ON/OFF switch; paper advance control	
Dimensions	368 mm (14.5 in) H x 419 mm (16.5 in) W x 203 mm (8 in) D	
Weight	22.5 lbs (10.2 kg)	
Display Panel Layout	4 Line x 20 character display OFF/STBY/LOW/MED/HI power settings Chart ON/OFF with LED inside Chart Advance Sensitivity	Chart Feed Separate panel overlays for display and chart controls Keypad (arrow keys) Power Gain
Sensor I/O	GPS Annotates chart Embeds position in Ethernet packet	MRU Heave corrects data Outputs MRU data in Ethernet packet
Software	TOH's Windows based software included: eChart Display, Control & Logging Software	
Options	200 kHz or 340 kHz side scan transducer Wide selection of transducers Remote display Lid with window Transit case with wheels Internal GPS with WAAS differential corrections and PPS reference signal Antenna upgrade	



Photo courtesy Pan Asia Engineering



The HydroTrac II and optional lid with window