### 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



**TECHNICAL SPECIFICATIONS** 



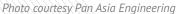
# Hydrotrac II



### Single-Frequency Portable Hydrographic Echo Sounder

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 Dimensions	High resolution 8 dot/mm (203 dpi); 16 gray shades; 216mm (8.5 in) wide thermal paper; External ON/OFF switch; paper advance control 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: eC	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 correcti Antenna upgrade	Wide selection of transducers Remote display Lid with window Transit case with wheels Internal GPS with WAAS differential corrections and PPS reference signal	







The HydroTrac II and optional lid with window



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