► HYDROTRAC[™] II



SINGLE FREQUENCY PORTABLE HYDROGRAPHIC ECHO SOUNDER

- Ideal for small boats and harsh conditions
- ► Ethernet LAN interface
- ▶ Frequency agile
- High resolution thermal printer
- Internal GPS
- Waterproof (with front cover in place)
- Flash upgradeable
- ▶ Side scan option



HYDROTRAC™II

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.

GENERAL 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 Conditions

0° - 50° 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
- Embeds UTC time in output string
- MRU
- · Heave corrects data
- · Outputs MRU data in Ethernet packet
- Remote Display
- RS 422 interface

Internal GPS with WAAS differential corrections and PPS reference signal

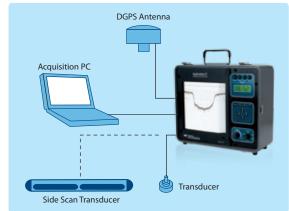
- 16-Channel, L1(1575.42 MHz) GPS receiver
- SBAS (WAAS and EGNOS) supported
- Position Accuracy: 0.63 meters, CEP 50% (24hr static)
- 1.31 meters, 95% (24hr static)
- Typical dynamic accuracy 3-5 meters

- Time (PPS): +/-62ns synchronized to UTC time
- Standard NMEA0183 output message

- 8.5 in / 216mm thermal printer (fax paper)
- Annotation printed on chart
- LCD display (1 in. high)
- Sealed keypad controls
- Manual/remote mark command
- Auto scale change (phasing)
- Separate adjustment for power and pulse width
- External GPS input
- Heave input from motion sensor
- Integrated OEM DGPS receiver
- UTC time stamp capability
- TVG curve for side scan and bathymetry
- Output: NMEA, ECHOTRAC, DESO 25, etc.
- Waterproof (with front cover in place)
- Fix mark annotation: date, time, fix no., depth and GPS (if input)
- Flash memory upgradeable
- Waterproof DB9 connector serial ports (standard serial interface cables)
- Built-in simulator
- Serial port function test
- Robust firmware upgrades by SD Card
- E-chart Software included
- Operation and installation manuals provided

- 200 kHz or 340 kHz side scan transducer
- Remote display

► CONFIGURATION EXAMPLE: HYDROTRAC





► See our entire product line at: odomhydrographic.com

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