

# ▶ 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



**TELEDYNE**  
**ODOM HYDROGRAPHIC**  
A Teledyne Technologies Company

# 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
- PPS
  - 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

### Features

- 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 on CD

### Options

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



► See our entire product line at: [odomhydrographic.com](http://odomhydrographic.com)

### ► CONFIGURATION EXAMPLE: HYDROTRAC

