HYDROTAC 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
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.

**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
  - Annotations 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
- 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

**CONFIGURATION EXAMPLE: HYDROTRAC**

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