Models AT408B and AT408P

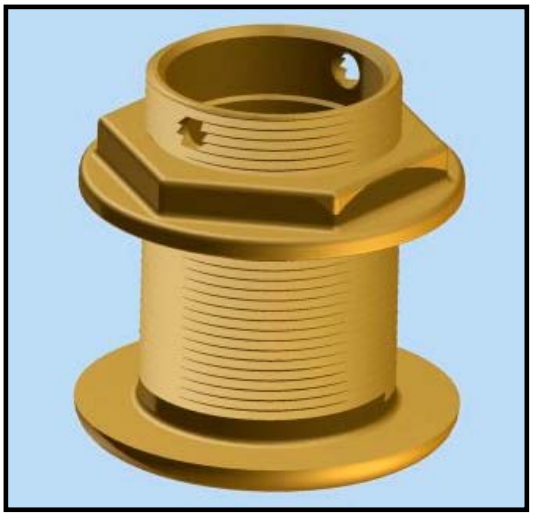
Retractable and Non-Retractable Models

RADARSONICS INC. has brought the space age technology of digital signal processing (DSP) to a line of its high performance commercial transducers. The **ACTIVE TRANSDUCER** technology employed by RADARSONICS INC. now gives the recreational boater an additional option for configuring an onboard electronics package to suit his/her individual needs. The new **ACTIVE TRANSDUCER** can be integrated with any device capable of reading the NMEA (National Marine Electronics Association) data string format. Devices such as a NMEA Repeater, a Chart Plotting system or a PC based charting system can now be upgraded with an **ACTIVE TRANSDUCER** to display additional information such as depth and water temperature. Just one of the many benefits of this new DSP technology is that you do not need to have a separate display on your boat to display the depth and temperature data. The **ACTIVE TRANSDUCER** feeds the NMEA data string directly into other displays, such as your Chart Plotting system.

AT408 Retractable - This is a low profile thru-hull fitting transducer. The retractable insert feature allows for easy transducer removal for inspection or repair without the expensive hassle of pulling the vessel out of the water. Each retractable unit is supplied with a blanking plug. The model AT408 is offered in a corrosive resistant bronze housing (shown at right), or in a less expensive glass-filled nylon housing.

AT408 Non-Retractable - This configuration of the AT408 offers all the benefits of the AT408 Retractable with the exception that the Transducer insert is fixed within the housing and cannot be removed.

Model AT408B – Retractable.



Model AT408P- Non-Retractable.

RADARSONICS INC.
1190 N. Grove Street
Anaheim, CA 92806
(714) 630-7288

Specifications:

- Power Consumption:
  - 13.8 VDC @ .035 amps average (0.5 amps peak)
- Output Power: 1.3 to 320 watts RMS with DSP (Digital Signal Processing)
- Power varies with transducer element impedance and depth.
- EPP (Effective Processed Power):
  - 26 to 6400 watts RMS due to DSP.
- Minimum Depth- 1.3 feet (.4 meters)
- Housing Material:
  - AT408P - Glass Filled Nylon (Plastic).
  - AT408B - Bronze Casting.

Options:

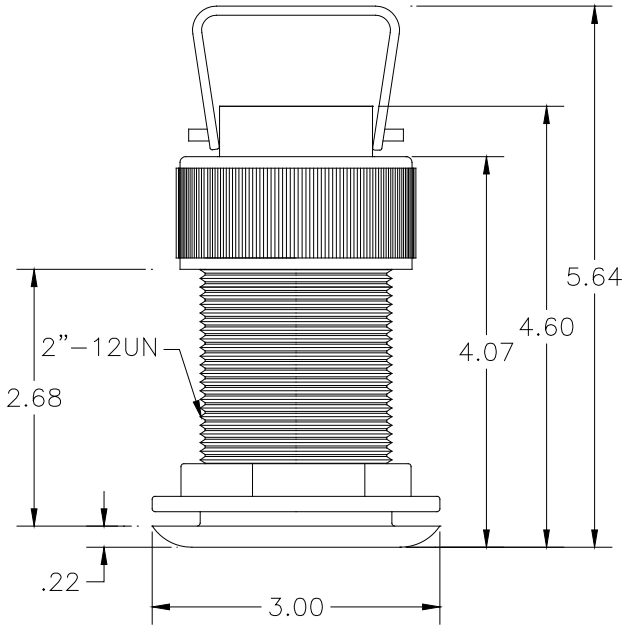
- Temperature.
- Maximum Depth Options:
  - 1,000 feet (300 meters), 1,000 ft. model
  - 450 feet(135 meters), 450 ft. model
- Frequency:
  - 120kHz
  - 170kHz (offered in 450 ft. model only).

Data Interface:

- NMEA 0183 output sentence.
- $SDDBT (Feet, Meters and Fathoms. Depth relative to transducer).
- $SDMTW (Water Temperature).
- Sample Output:
  - $SDDBT,x.x,f,x.x,M,x.x,F*CS (CS=Check Sum).
  - $SDMTW,x.x,C*CS (CS = Check Sum).

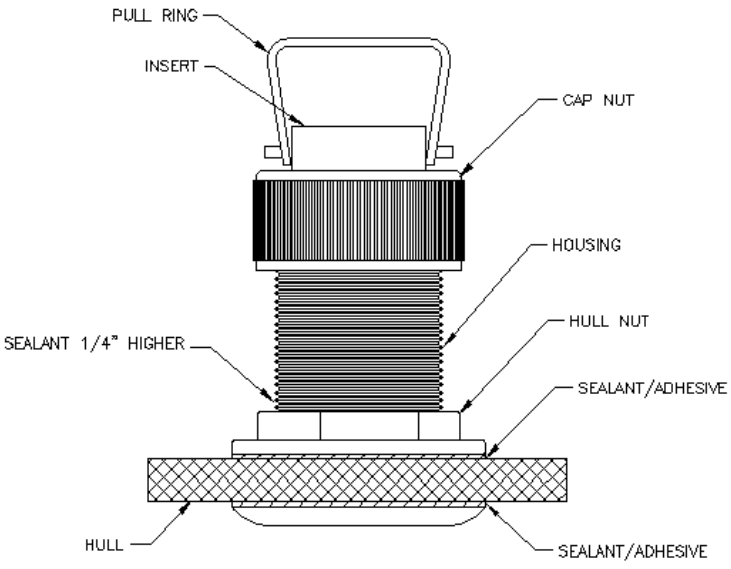
Performance Data:

- Time to lock on to bottom from power on; 8 seconds typical, 20 seconds maximum.
- Low power consumption, 13.8 VDC @ .035 amps average (0.5 amps peak)
- No interference with other electronics.
- Excellent surface noise suppression.
- Excellent high speed operation.



Model AT408B Retractable – Not To Scale.

Model AT408B Retractable – Shown installed.



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