AT75

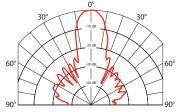


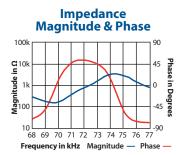
SPECIFICATIONS

Best Operating Frequency: 75 kHz, ±4% Minimum Transmit Sensitivity at Best Transmit Frequency: 111 dB re 1µPa/V at 1 m Minimum Receive Sensitivity at Best Receive Frequency: -162 dB re 1V/µPa **Minimum Parallel Resistance:** 170 Ω , ±30% Minimum and Maximum Sensing Range*: 20 cm to 10 m Typical Sensing Range: 25 cm to 7 m Free (1 kHz) Capacitance: 1,850 pF, ±20% pF Beamwidth (@ -3 dB Full Angle): 15°, ±2° Maximum Driving Voltage (2% Duty Cycle Tone Burst): 1,000 V Operating Temperature: -40°C to 90°C Weight: 45 g Housing Material: Glass filled polyester Acoustic Window: Glass reinforced epoxy

*Pulse-Echo Mode. Minimum and maximum ranges are best case scenarios. Actual range may vary, depending on drive circuitry and signal processing.

Directivity Pattern





Transmit & Receive Voltage Response

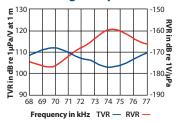
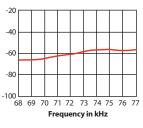


Figure of Merit (Sum of TVR & RVR)



75 kHz **AIRDUCER[®] Ultrasonic Transducer**

Applications

- Level measurement
- Open channel flow
- Proximity
- Obstacle avoidance
- Robotics

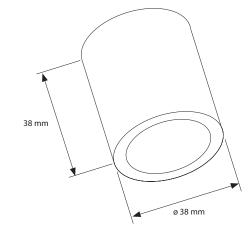
Features

- Rugged sealed construction
- Cylindrical design allows for installation in various applications

Options

- AR style with threaded cap available
- · Complete assembly or kit versions
- Available in PVDF housing for use in chemically aggressive environments
- 10 KΩ thermistor available for temperature compensation

Dimensions



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AT75_rO 06/26/18

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