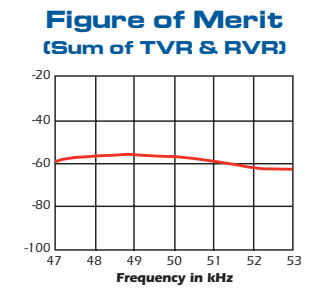
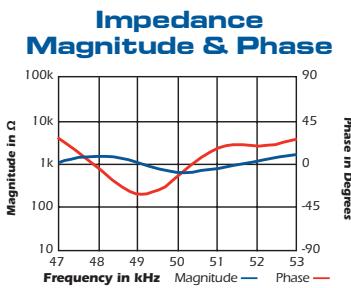
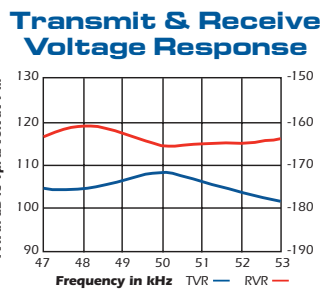
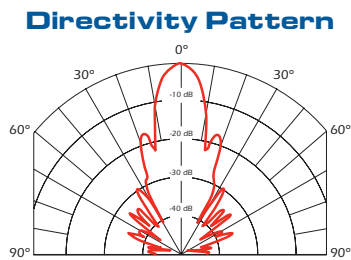




SPECIFICATIONS	
Best Operating Frequency:	50 kHz, ±4%
Minimum Transmit Sensitivity at Best Transmit Frequency:	105 dB, 1μPa/V at 1 m
Minimum Receive Sensitivity at Best Receive Frequency:	-170 dB re 1V/μPa
Minimum Parallel Resistance:	350 Ω, ±30%
Minimum and Maximum Sensing Range*:	30 cm to 15 m
Typical Sensing Range:	35 cm to 10 m
Free (1 kHz) Capacitance:	5,000 pF, ±100 pF
Beamwidth (@ -3 dB Full Angle):	10°, ±2°
Maximum Driving Voltage (2% Duty Cycle Tone Burst):	1,000 V _{pp}
Operating Temperature:	-40°C to 90°C
Weight:	250 g
Housing Material:	PVDF
Acoustic Window:	PVDF

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



50 kHz

AIRDUCER® Ultrasonic Transducer

Applications

- Level measurement in caustic environments

Features

- Rugged one-piece PVDF housing
- Ideal for chemically aggressive environments
- Threaded design allows for installation in various applications
- Mounting cap available in BSP, NPT, or M 32 threads
- Standard internal shielding

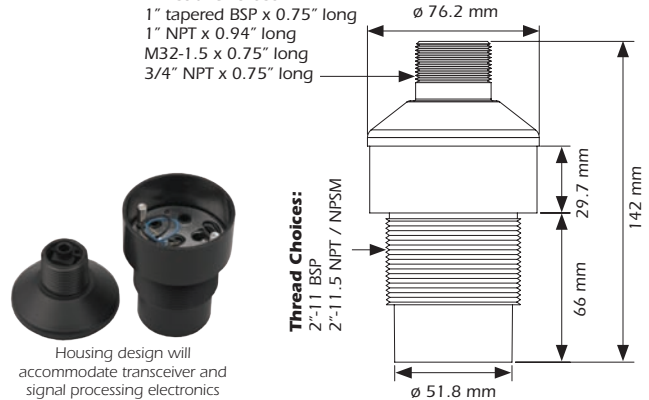
Options

- Nut—2" BSP thread
- Complete assembly available with standard cable lengths
- 10 KΩ thermistors are optional for temperature compensation
- FM approved

Dimensions

Thread Choices:

- 1" tapered BSP x 0.75" long
- 1" NPT x 0.94" long
- M32-1.5 x 0.75" long
- 3/4" NPT x 0.75" long



Housing design will accommodate transceiver and signal processing electronics

Thread Choices:
2"-11 BSP
2"-11.5 NPT / NPSM

