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:

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_{DD}

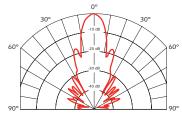
Operating Temperature: -40°C to 90°C

Weight: 250 g

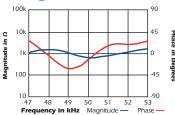
Housing Material: PVDF Acoustic Window: PVDF

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

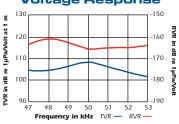
Directivity Pattern



Impedance Magnitude & Phase



Transmit & Receive Voltage Response



(Sum of TVR & RVR)

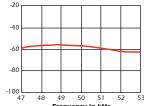
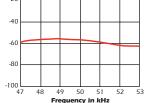


Figure of Merit



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Housing design will accommodate transceiver and signal processing electronics

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As Airmar constantly improves its products, all specifications are subject to change without notice. All specifications typical at 22°C. Factory Mutual approved models suitable for: Class I, Division I, Hazardous Locations. AIRDUCER® is a registered trademark of Airmar Technology Corporation. Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective companies, which are not FAXII0755*83876182 E-MAIL: szss20@163.com

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

AIRDUCER® Ultrasonic Transducer

Level measurement in caustic environments

Ideal for chemically aggressive environments

Threaded design allows for installation in various

Complete assembly available with standard cable

• 10 KΩ thermistors are optional for temperature

Mounting cap available in BSP, NPT, or M 32 threads

Rugged one-piece PVDF housing

Standard internal shielding

Applications

Features

applications

Options

compensation

Dimensions

Thread Choices:

1" NPT x 0.94" long

M32-1.5 x 0.75" long 3/4" NPT x 0.75" long

1" tapered BSP x 0.75" long

FM approved

lenaths

■ Nut—2" BSP thread

www.airmar.com

ø 51.8 mm

ø 76.2 mm

