Airmar ultrasonic transducers deliver the highest level of performance in the most challenging environments and they are the key component for our customers' success and their applications. Our precision tuned air-ranging transducers are tried and true performers, even when used for difficult tasks. American-made from the highest quality materials, Airmar’s ultrasonic transducers provide reliable, long-lasting excellence to any measurement system.

AR41

41 kHz

AIRDUCER® Ultrasonic Transducer

Applications
- Level measurement
- Proximity
- Obstacle avoidance
- Traffic control
- Flow measurement

Features
- Rugged sealed construction
- Housing design will accommodate transceiver and signal processing electronics
- Standard internal shielding

Options
- Cable length can be customized
- Mounting cap available in BSP, NPT, or M32 threads
- Available in PVDF housing for use in chemically aggressive environments (ARK41)
- 10 KΩ thermistor available for temperature compensation

Dimensions

Directivity Pattern

Transmit & Receive Voltage Response

Impedance Magnitude & Phase

Figure of Merit (Sum of TVR & RVR)

Additional Resources

Theory of Operations
Applying Ultrasonic Technology
T1 Developer Board

Airmar’s T1 Developer’s Transceiver Module can be used for evaluation of AIRDUCER® Transducers.

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