

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.

## ART15

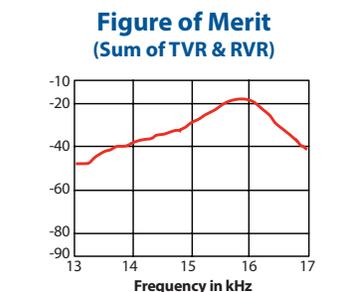
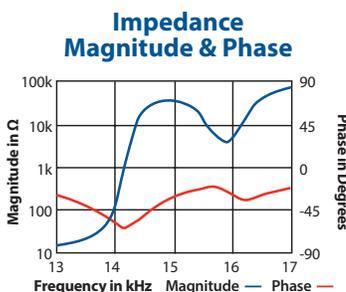
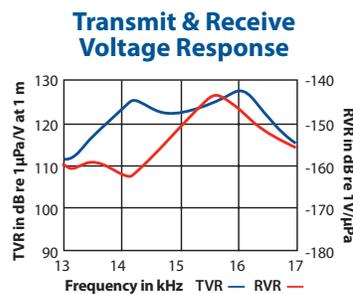
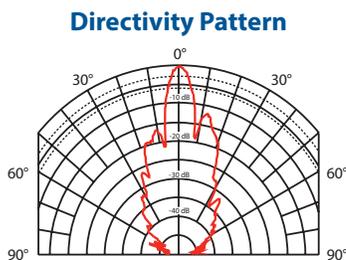


### SPECIFICATIONS

**Best operating frequency:** 15 kHz +/-0.5 kHz  
**Minimum Transmit Sensitivity at Best Transmit Frequency:**  
 123 dB re 1 $\mu$ Pa/V at 1 m  
**Minimum Receive Sensitivity at Best Receive Freq.:** -148 dB re 1V/ $\mu$ Pa  
**Minimum Parallel Resistance @15kHz:** 100 Ohm  
**Minimum and Maximum Sensing Range\*:** 1-60 m  
**Beamwidth (@ -3 dB Full Angle):** 6° +/-2°  
**Maximum Driving Voltage (2% Duty Cycle Tone Burst):** 900 V<sub>pp</sub>  
**Operating Temperature:** -30°C to 60°C  
**Thermistor Operating Range:** -20°C to 60°C  
**Weight:** 2.6 lbs / 1.18 kg  
**Cable Length:** 10 m  
**Housing Material:** Aluminum, static dissipative Kynar, static dissipative PE  
**Acoustic Window:** LDPE

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

**Note:** Optimally, performance measurements should be taken when the transducer reaches a steady state.



## 15 kHz

### AIRDUCER<sup>®</sup> Ultrasonic Transducer

### Applications

- Silos
- Wells
- Wastewater facilities
- Large capacity tanks
- River crossings/bridges

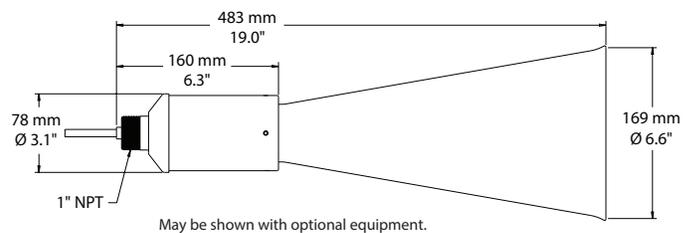
### Features

- Delivers long range level measurements up to 60 m (197')
- Extended range without the cost of radar
- Built-in thermistor

### Options

- Cable length can be customized
- Also available without thermistor
- Optional cable, cap and thermistor

### Dimensions



### Additional Resources

Theory of Operations



Applying Ultrasonic Technology

