

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.

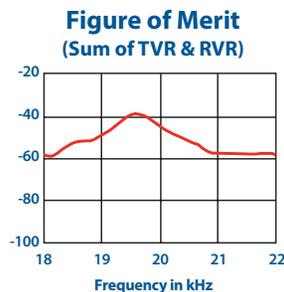
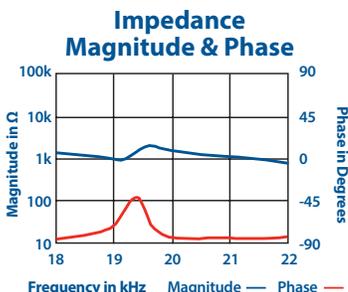
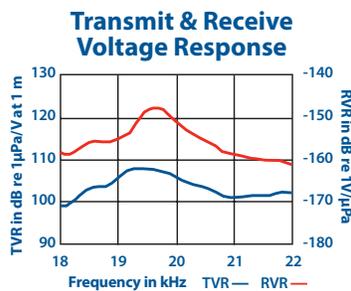
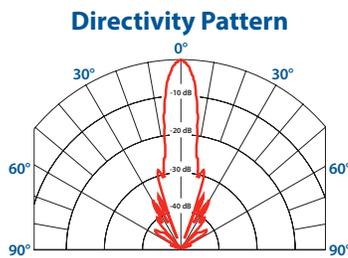
# AR20



### SPECIFICATIONS

**Best Operating Frequency:** 19.5 kHz,  $\pm 4\%$   
**Typical Sensing Range:** 80 cm to 40 m  
**Beamwidth (@ -3 dB Full Angle):** 7°,  $\pm 2^\circ$   
**Operating Temperature:** -40°C to 60°C  
**Weight:** 7.25 kg  
**Housing Material:** Glass filled polyester  
**Acoustic Window:** Glass reinforced epoxy

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



## 19.5 kHz

### AIRDUCER® Ultrasonic Transducer

#### Applications

- Long-range level measurement
- Powder, granular, and liquid, (40 m slurry tanks)

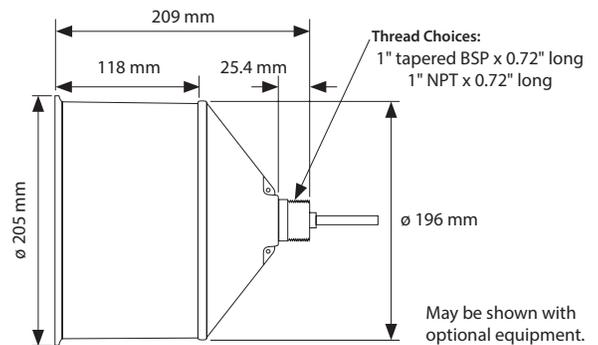
#### Features

- Long-term reliability
- Low maintenance
- Non-contact
- No moving parts

#### Options

- Cap with stainless steel 1" NPT or BSP thread mounts
- Cable length can be customized

#### Dimensions



#### Additional Resources

Theory of Operations



Applying Ultrasonic Technology

