

SPECIFICATIONS

Best Operating Frequency: 19.5 kHz, ±4% Typical Sensing Range: 80 cm to 40 m Beamwidth (@ -3 dB Full Angle): 7°, ±2° Operating Temperature: -40°C to 60°C

Weight: 7.25 kg

Housing Material: Glass filled polyester Acoustic Window: Glass reinforced epoxy

Directivity Pattern

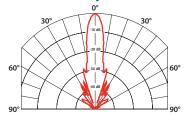
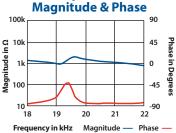


Figure of Merit -20

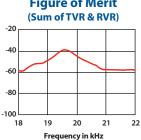
110 m 120 m 120 m 110

100

TVR in dB re



Impedance



20 Frequency in kHz TVR - RVR -

Transmit & Receive Voltage Response

-140

-150 🖁

-160 🛱

-170 B re 1V/μPa

-180

21

19.5 kHz

AIRDUCER® Ultrasonic Transducer

Applications

- · Powder, granular, slurry, and liquid
- · Long-range level measurement

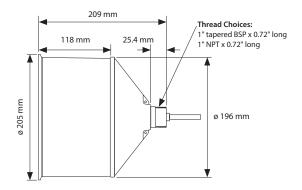
Features

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

Options

- Stainless steel 1" NPT or BSP thread mounts
- FM approved

Dimensions



©Airmar Technology Corporation

AR20_rO 06/26/18

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 1, 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 affiliated with Airmar.





