

200 kHz Air transducer



Model: A200M7

P/N: H2KA200KM7CD00



A200M7 ultrasonic transducer is designed to deliver outstanding performance at around 200 kHz frequency using our in-house piezoceramic. The transducer works as a signal transmitting and receiving unit. This ultrasonic transducer is suitable for industrial gas flow measurement in high pressure custody transfer with high sensitivity, low noise, low ZFD (zero flow drift), high precision as well as exceptional reliability.

Features

- High performance
- High reliability
- Chemical resistance
- High pressure resistance
- Waterproof IP68
- Titanium alloy housing

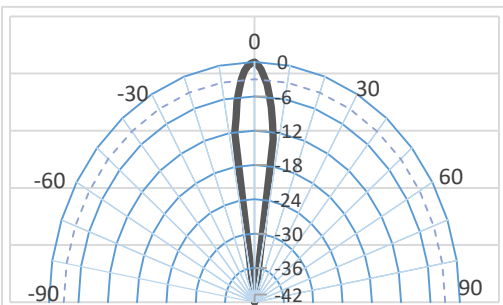
Major Applications

- Gas flow meter
- Gas concentration meter
- Non-contact level detection

Specifications

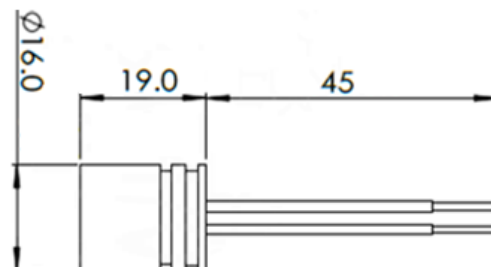
Operating Frequency	200 kHz
Capacitance (@1 kHz, 1Vrms)	500 pF
Directivity (Full Angle @-3 dB)	10 degree
Maximum Driving Voltage (2% Duty Cycle Tone Burst)	500 V _{p-p}
Dimension-OD (Face)	16.0 mm
Dimension-Height	19.0 mm
Operation Pressure	1.6 MPa
Operating Temperature	-30°C to +70°C

Directivity Diagram



Dimensions

Housing material: Titanium alloy
Unit: mm



As Unictron continues to improve its products, all specifications are subject to change without notice. All specifications are typically measured at 25 ± 3 ° C, 45 to 60% RH.