

200 kHz Air transducer



Model: A200D

P/N: H2KA200KD1CD00



A200D works as a signal transmitting and receiving unit. This ultrasonic transducer is suitable for gas flow detection with high sensitivity, low noise, low ZFD (zero flow drift), high precision as well as exceptional reliability. In particular, the transducer housed with PVDF material is FDA compliance and free from corrosion by chemical solvent.

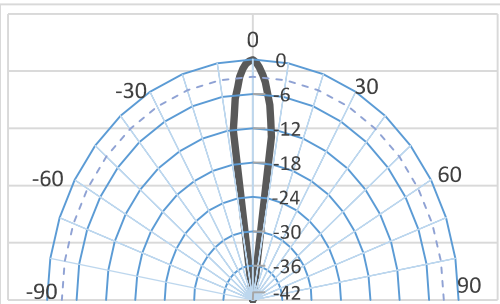
Features

- High performance
- High reliability
- PVDF housing
- FDA compliance
- Chemical resistance
- Waterproof IP68
- Patented technologies

Major Applications

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

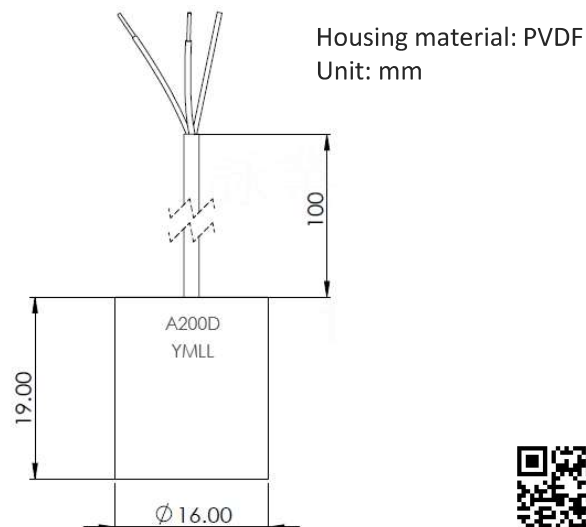
Directivity Diagram



Specifications

Operation Frequency	200 kHz
Capacitance (@ 1 kHz, 1Vrms)	500 pF
Directivity (Full Angle @-3 dB)	8 Degree
Maximum Driving Voltage (2% Duty Cycle Tone Burst)	500 V _{p-p}
Dimension-OD (Face)	16.0 mm
Dimension-Height	19.0 mm
ZFD (zero flow drift)	< 1.0 ns
Operating temperature	-30°C to +60°C
Storage Temperature	-40°C to +85°C

Dimensions



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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.