

240 kHz Air transducer



Model: A240B

P/N: H2KA240KB1CD00



A240B 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.

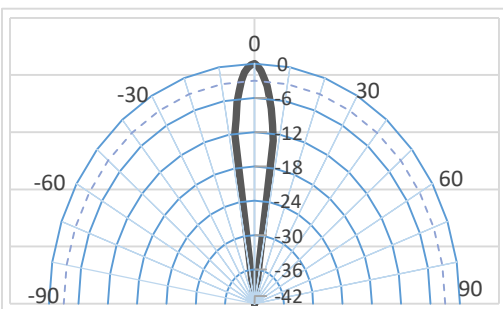
Features

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

Major Applications

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

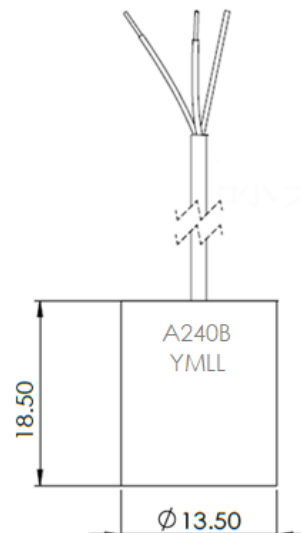
Directivity Diagram



Specifications

Operation Frequency	240 kHz
Capacitance (@ 1 kHz, 1Vrms)	400 pF
Directivity (Full Angle @-3 dB)	8 Degree
Maximum Driving Voltage (2% Duty Cycle Tone Burst)	500 V _{p-p}
Dimension-OD (Face)	13.5 mm
Dimension-Height	18.5 mm
ZFD (zero flow drift)	< 1.0 ns
Operating temperature	-30°C to +60°C
Storage Temperature	-40°C to +85°C

Dimensions



Housing material: PVDF
Unit: mm

