

Ultrasound, go with the flow



Anemometer
Gas flow meter
Gas concentration meter

Unictron's ultrasonic transducers have been implementing our in-house piezoceramics and acoustic matching layer as well as the novel patented technologies. The ultrasonic transducers are suitable for gas flow detection, gas concentration detection, anemometer, etc, along with high sensitivity, low noise, low ZFD (zero flow drift), high precision, and reliability. In particular, the transducer housed with PVDF material is chemical resistance and complies with FDA standards.

Model Name	A125L	A200D	A240B	A500B
				
Frequency (kHz)	125	200	240	500
Dimensions (mm)	OD(Face) 25.0 H 25.0	OD(Face) 16.0 H 19.0	OD(Face) 13.5 H 18.5	OD(Face) 11.0 H 6.5
Directivity (Full Angle @-3 dB)	$10 \pm 2^\circ$	$8 \pm 2^\circ$	$8 \pm 2^\circ$	$7 \pm 2^\circ$
Housing Material	PVDF	PVDF	PVDF	Elastomer
ZFD (Zero Flow Drift)	< 1.0 ns	< 1.0 ns	< 1.0 ns	< 1.0 ns
Certification	Chemical resistance FDA compliance	Chemical resistance FDA compliance	Chemical resistance FDA compliance	Chemical resistance
Major Applications	Gas flow meter	Gas flow meter Anemometer	Gas flow meter Anemometer	Gas flow meter

Industries & Applications

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

Features

- Patented technologies
- In house advanced Piezoceramics
- Unique matching layer formulation
- Good chemical resistance
- High precision: meet AGA-9,
JIS B8571 standard
- FDA compliance
- High sensitivity
- Good reliability
- Waterproof IP68
- Low noise