

# Ultrasound, sensing the level



## Non-contact level detection

Petrochemical industry

Water supply and drainage industry

River level monitoring

Food and beverage industry

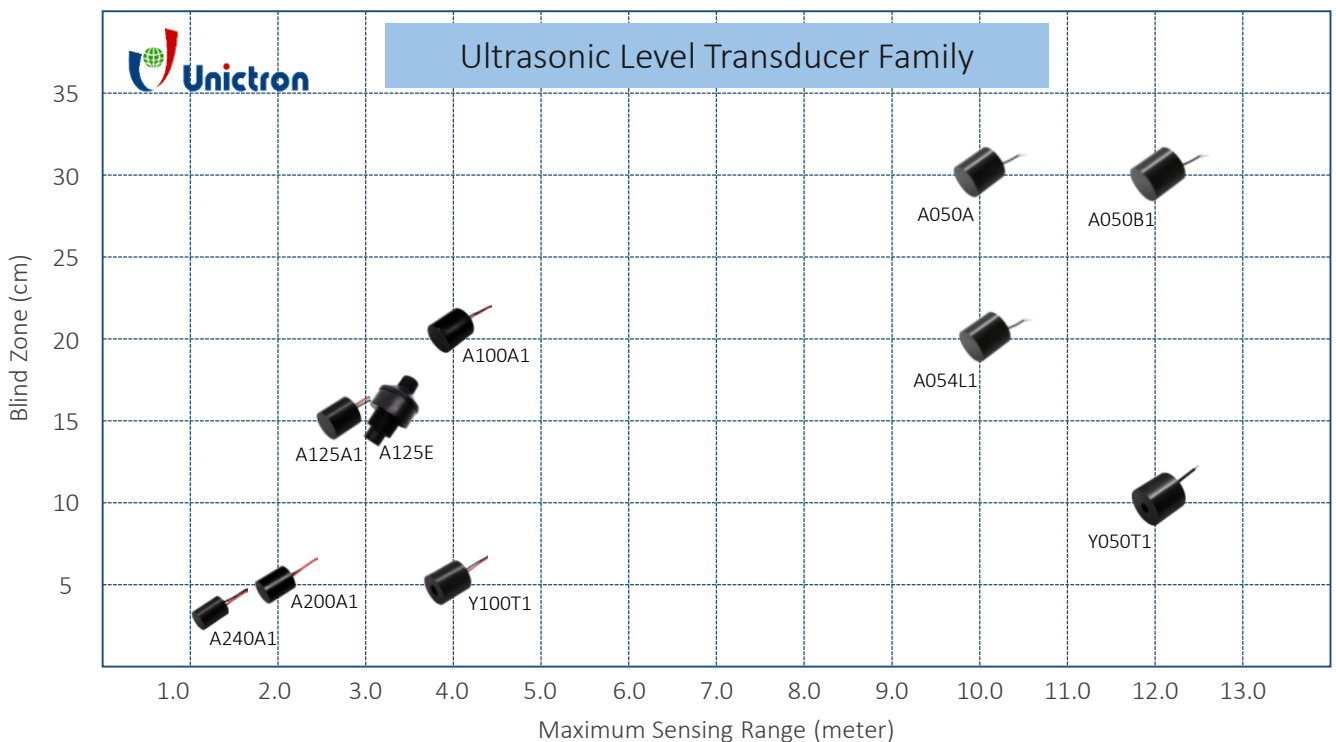
Grain, powder, granular material level detection

Vehicle fuel level detection

## Ultrasonic Level Transducer you need !

Higher sensing range, lower blind zone

Ultrasonic transducers play an important role in a variety of non-contact level measurement applications. Unictron offers several types of transducer products to meet different measurement requirements and constraints. Our transducers with PVDF housings can operate in harsh chemical environments to measure the level of fluids, pastes and coarse bulk materials in demanding level measurement applications.



### Applications


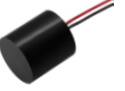



- Petrochemical industry
- Water supply and drainage industry
- River level monitoring
- Food and beverage industry
- Vehicle fuel level detection
- Grain, powder, granular material level detection

### Features

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

Unictron's ultrasonic transducers have been implementing our in-house piezoceramics and acoustic matching layer as well as the novel patented technologies to perform high performance and extraordinary reliability. These ultrasonic transducers are suitable for non-contact level detection and proximity measurement

Model Name	A050A	A050B1	A054L1	Y050T1	A100A1
					
Frequency (kHz)	50	50	50	50/200	100
Dimensions (mm)	OD 47.0 H 48.0	OD 56.0 H 51.0	OD 47.0 H 48.0	OD 56.0 H 51.0	OD 29.0 H 30.0
Max. Sensing Range (meter)	10	12	10	12	4
Blind Zone (cm)	< 30	< 30	< 20	< 10	< 20
Housing Material	PVDF	PVDF	PVDF	PVDF	PVDF
IP Rating	IP68	IP68	IP68	IP68	IP68

Model Name	Y100T1	A125A1	A125E	A200A1	A240A1
					
Frequency (kHz)	100/250	125	125	200	240
Dimensions (mm)	OD 29.0 H 30.0	OD 25.0 H 25.0	OD 29.0 H 126.6	OD 16.0 H 19.0	OD 13.5 H 18.5
Max. Sensing Range (meter)	4	3	3	2	1.2
Blind Zone (cm)	< 7	< 15	< 15	< 5	< 4
Housing Material	PVDF	PVDF	PVDF	PVDF	PVDF
IP Rating	IP68	IP68	IP68	IP68	IP68