

Model: A050B1

P/N: H2KA050KB1CD00



A050B1 works as a signal transmitting and receiving unit. This ultrasonic transducer is suitable for non-contact level detection and proximity measurement with extraordinary reliability. In particular, the transducer with the PVDF housing can operate under harsh chemical environment to measure the level of fluids, pastes, and coarse bulk materials.

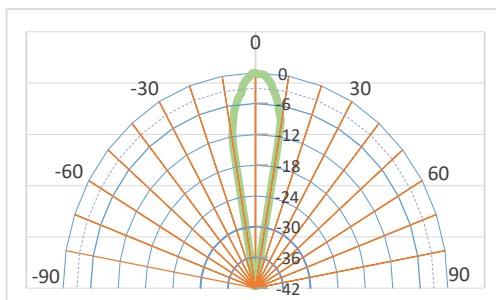
## Features

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

## Major Applications

- Non-contact level detection
- Proximity measurement

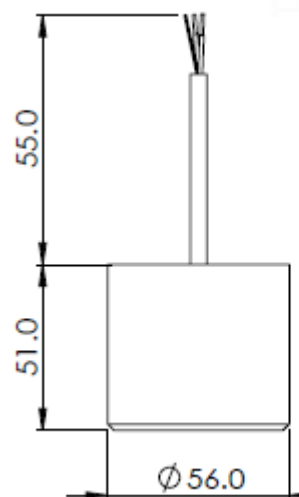
## Directivity Diagram



## Specifications

Operation Frequency	50 kHz
Capacitance (@ 1 kHz, 1Vrms)	5000 pF
Directivity (Full Angle @-3 dB)	10 Degree
Maximum Driving Voltage ( 2% Duty Cycle Tone Burst )	1000 V <sub>p-p</sub>
Maximum Sensing Range	12 meter
Blind Zone	< 30 cm
Dimension-OD (bottom face)	56.0 mm
Dimension-OD (open end)	57.0 mm
Dimension-Height	51.0 mm
Operating Temperature	-40°C to +85°C

## Dimensions



Housing material: PVDF  
Unit: mm

