100 kHz Air transducer



Model: A100A

P/N: H2KA100KA1CD00



A100A works as a signal transmitting and receiving unit. This ultrasonic transducer is suitable for non-contact level detection and proximity measurement. 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

Major Application

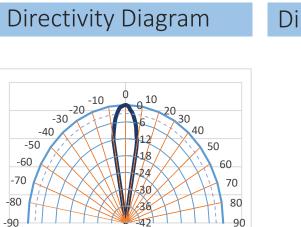
Level detection

Proximity measurement

Patent pending

D:					
1)1	m	er	$\Gamma \cap \Gamma$		nc
וט	\mathbf{I}	CI	ısı	\cup	113

Specifications



Operation Frequency	100	kHz	
Capacitance (@ 1 kHz, 1V	1600	pF	
Directivity (Full Angle @-	10	Degree	
Maximum Driving Voltage (2% Duty Cycle Tone Burst)		800	V _{p-p}
Maximum Sensing Range		400	cm
Blind Zone		< 20	cm
Dimension-OD		29.0	mm
Dimension-Height		30.0	mm
Wire	UL1430 #24	AWG ¢	1.43mm

Housing Material: PVDF

Ø29.0

Unit: mm