

1 MHz Level Sensor Transducer



Model: LPY1

P/N: H2KLPY11000600

Ultrasonic transducer is designed to cover 1MHz frequency. The transducer works as a signal transmitting and receiving unit. The transducer works with gel pad (or dry coupling) is particularly for non-invasive bottom-up type liquid level sensors for measuring the level of liquid in a plastic container or vessel.



Features

- Blind zone
- Bottom-up type
- Dry gelpad

Specifications

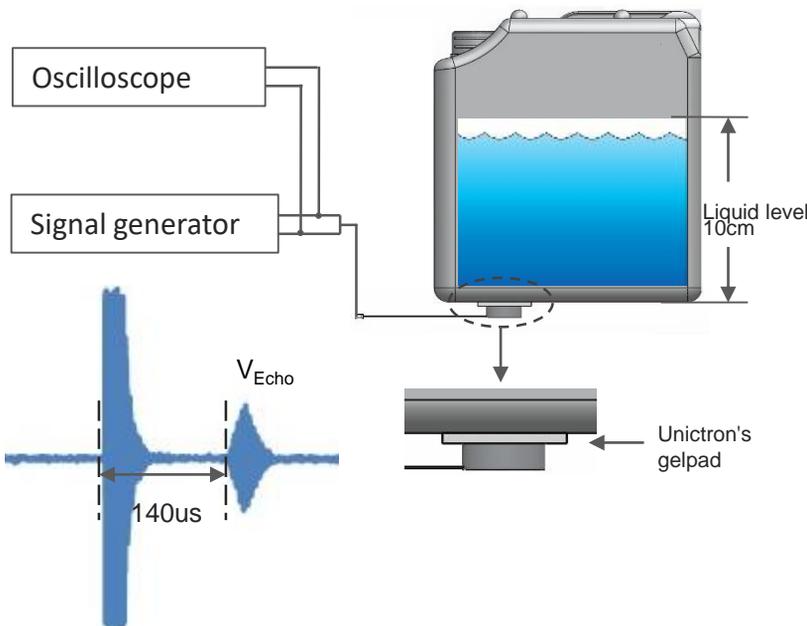
Operation Frequency	1	MHz
Echo Voltage	>50	mV
Capacitance at 1 kHz	$1250 \pm 20\%$	pF
Maximum Driving Voltage	50	Vpp
Operating temperature	-20~70	°C
Storage temperature	-30~80	°C

Measured at temperature : $25 \pm 5^\circ$, 40~70%RH

Sensitivity measurement diagram

Sensitivity measurement

Liquid level: 10cm (olive oil) / container: HDPE



Dimensions

Housing material: Aluminum alloy H:8mm
Wire: 105°C 300V 30AWG
Sealing Glue: PU
Unit: mm

