

# 1 MHz Flow Meter Transducer



Model: MPYA

P/N: H2KMPYA1000600

Unictron's transducer is applied for 1MHz ultrasonic liquid flow meter. The housing of transducer can provide excellent resistance to solvent as well as in the acid/base environment. The transducer features a high sensitivity and longer life time of operation with low temperature drift.



## Features

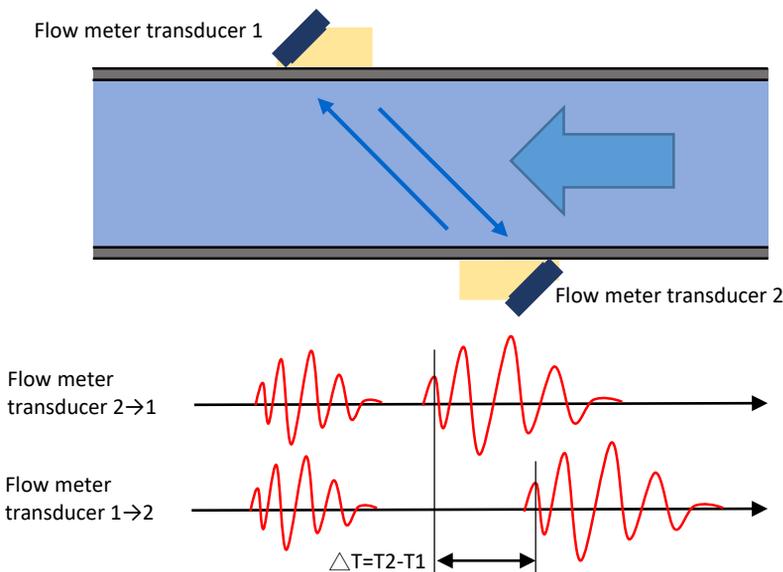
- High sensitivity
- Low temperature drift
- Excellent resistance to solvent and acid or base environment

## Specifications

Operation Frequency	1	MHz
Capacitance (@ 1 kHz)	1.2 ± 20%	nF
Sensitivity dB	* -28 min	dB
Beam angle(-3dB full angle)	5	Degree
Operation voltage	50 max	Vpp
Operation temperature	+4 ~ +80	°C
Storage temperature	-10 ~ +80	°C

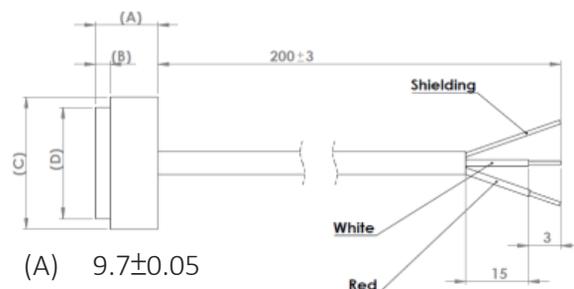
\* Applied voltage Vpp=3.3V,sine wave, 20 cycles burst, Water level 10cm, Water temperature 25°C

## Sensitivity measurement diagram



## Dimensions

Housing material: PPS  
Wire: AWM 2547 80C 300V VW-1 28AWG  
Sealing Glue: PU  
Unit: mm



- (A) 9.7±0.05
- (B) 2.3±0.05
- (C) 20.2±0.05
- (D) 17±0.05

