

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

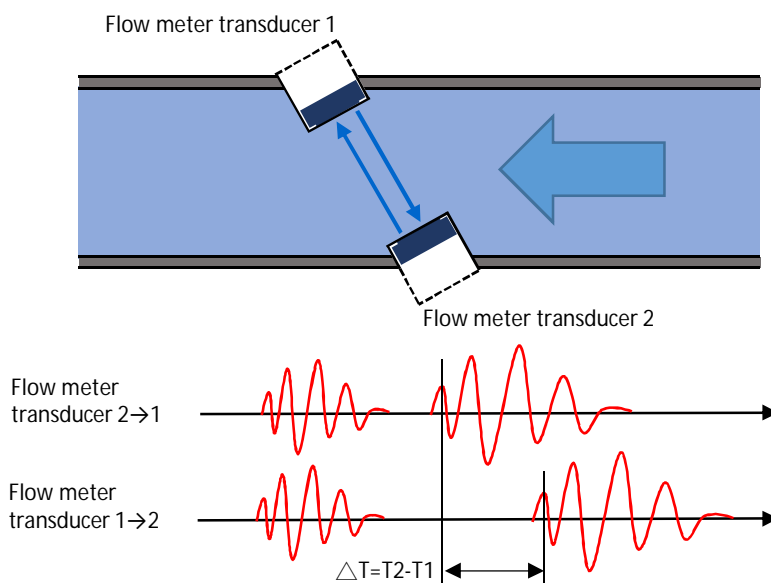
Excellent resistance to solvent and acid or base environment

Specifications

Operation Frequency	1	MHz
Capacitance (@ 1 kHz)	$1.2 \pm 20\%$	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

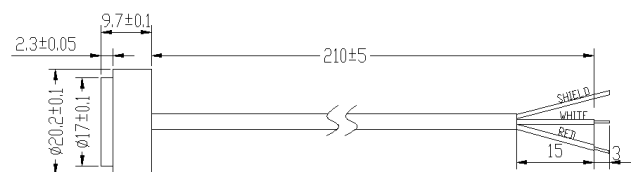
* Applied voltage $V_{pp}=3.3V$, sine wave, 20 cycles burst, Water level 10cm, Water temperature 25°C

Sensitivity measurement diagram



Dimensions

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



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