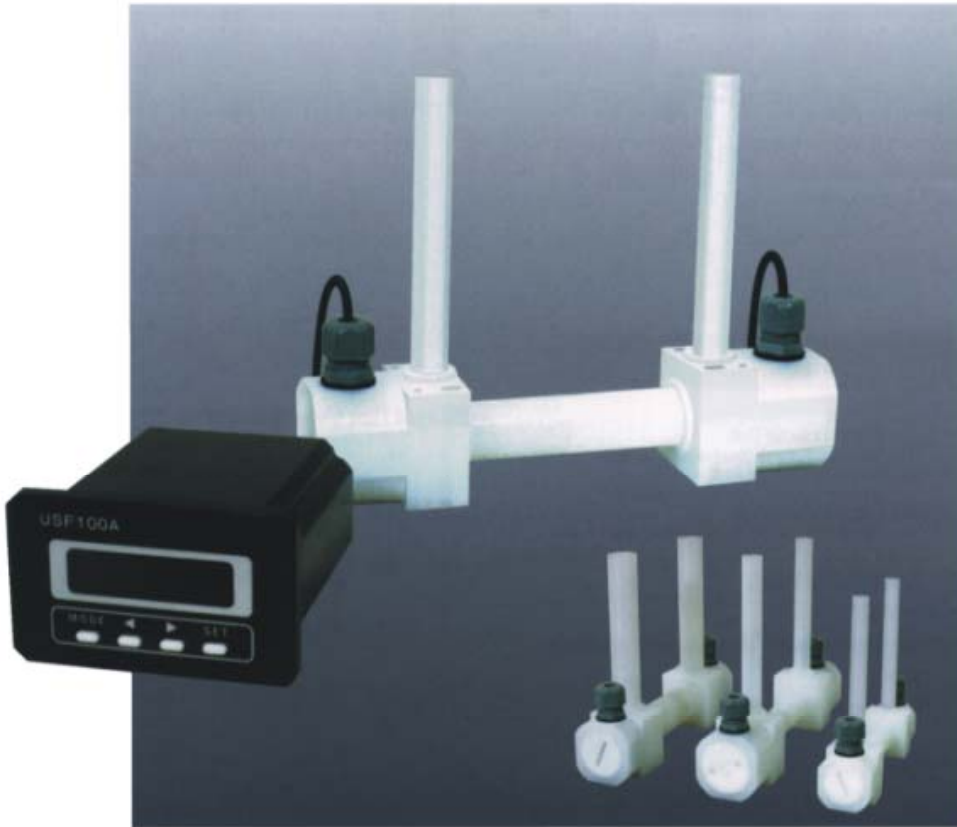


Megasonic Flow Meter by Honda Electronics



Features

Liquid flow is measured by ultrasound as non contact system in the pipe.

PTFE component of liquid flow contacting surface is suitable to measure high purity liquid.

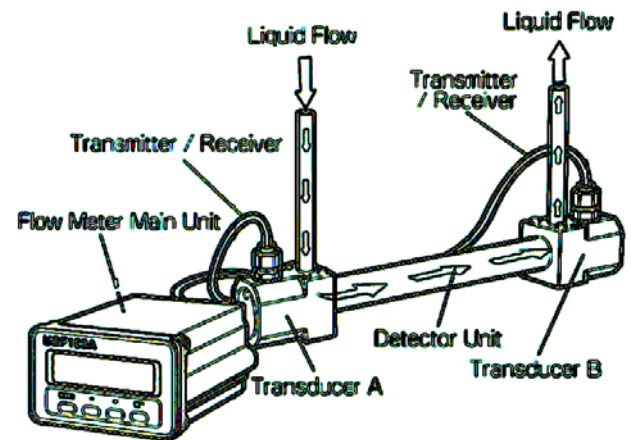
Three series are available to meet a wide range of liquid flow volume (50ml ~ 50l)

Basic Structure

The USF100A-K Ultrasonic Flow Meter consists of a flow meter unit and detector unit.

Following illustration shows liquid flow and transducer installed at both ends of the detector.

The flow meter unit controls transmitting and receiving of ultrasonic waves. Transducer A transmits a signal which is received by the transducer B. Then transducer B transmits a signal which is received by transducer A. The flow volume is calculated by the time difference between intervals A and B and B and A. This flow volume is then displayed on the flow meter.

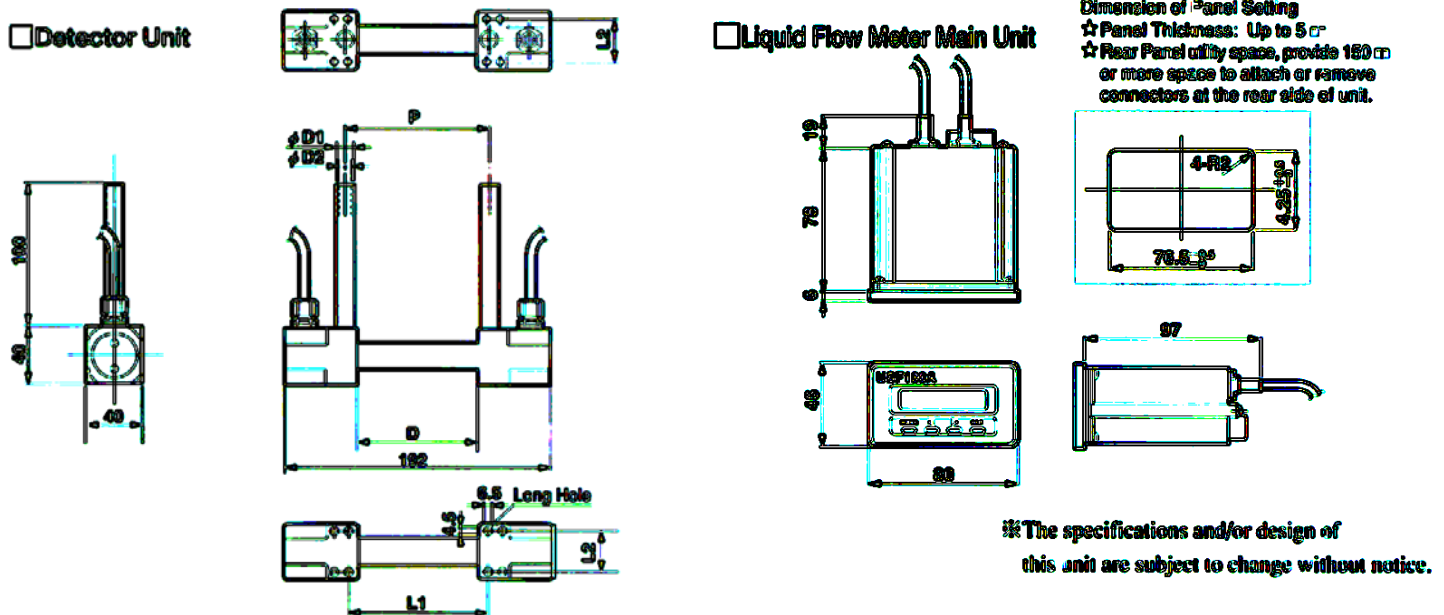


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Megasonic Flow Meter by Honda Electronics

Dimensions

Standard	Model Number	Flow Volume	D	L1	L2	P	ØD1	ØD2
K10	2000	50~2000ml/min	90	100	30	110	9.53	6.33
K15	20	0.5~20l/min	86	100	30	105	12.7	9.53
K20	50	2~50l/min	72	84	32	100	19.0	15.8



Accuracy	Large volume Detector unit: less than (1% at FS(based on pure water flow) Medium volume Detector unit: less than (1% at FS(based on pure water flow) Small volume Detector unit: less than (1% at FS is 200ml/min at FS (based on pure water flow)
Pressure Resistance	0.5 MPa (5kgf/cm ²)
Operating Temperature	0~50°C
Flow Indicator	Intermittent value or integral addition value
Input Signal	Reset input integrated value of (negative logic TTL level)
Output Signal	Current output DC4~20mA, open collector output 2 lines
Frequency	1MHz
Power Supply	DC12~24V (-5~+10%)
Power Consumption	1.5w or less



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