

Measurement Unlimited by The Imagination.

Ultrasonic Flowmeter

UW-10



intelligent
DIGITAL

Features

1. Multi-path System

Up to 4-path system is achievable for stable measurement on the even short-pipe run.

2. Multi-output Ports

2 Analog / 4 Contact output

3. 2 digital output

1port can be selectable for MODBUS protocol.

4. Easy Configuration

Menu driven 4-keys input / Graphical PC Configuration

5. Data Acquisition software (Online-LOG) available

PC software shows graphical trend as standard.

6. Off-line configuration available

PC software can be input all parameters without connection to main unit.

7. Logging

Support the Measurements are logging and Setting change logging.

Specifications

Measurement	Method	Ultrasonic pulse transit time difference method
	Diameter Range	DN 25mm ~ 6000mm
	Accuracy	±1.0% R.D. (V > 0.8m/s at DN ≥ 300mm) (V > 2m/s at DN ≤ 250mm)
	Repeatability	±0.3%
	Multi - path Measurement	4 - path (Max.)
Output	Analog output	2ports (Std.) / 2range output / Allowable load resistance 1kΩ Max
	Relay output	4ports (Std.) / Totalizing signals & Alarms
	Digital output	2ports (Std.) One - way / Inter - communication mode & Modbus (RS232C)
Main Unit	Protection Degree	IEC 60529 IP66
Transducer	Temperature Range	−25°C ~ 65°C
	Environmental Class	IEC 60529 IP67 (Option; IP68)
	Cable Length	300m Max. (Between Main Unit and Transducers)
Logging	Measurement logging	Date, Time, Flow rate, Warning, Direction status, ETC (1 year storage in 10-minute intervals)
	Setting change logging	Date, Time, Name and Value of changed parameter, ETC (1,000 Parameters)
Function	Self - diagnostics & failure processing	
	Disturbance detection	Automatic Gain Adjustment (AGA function)
	No echo receiving warning	Automatic Gain Control (AGC function)
	Full scale warning	Preset totalize start
	Over range warning	Data retention
	Low flow cut	Path fixing
	Zero shift	Forward / Backward flow change processing
	Span compensation	Basic data display
	Filtering (Smoothing)	Error historic counter
	Fixed analog output	Mass indication
		Metric & English unit
Certified	EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU, RoHS Directive RoHS2((2011/65/EU)+(EU)2015/863), KS C 9811, 9610-4-2~8, 11	

Design and specifications are subject to change without prior notice, and without any obligation on the part of the manufacturer.



CAUTION

Before operating this equipment, you should first thoroughly read the operator's manual.

**TOKYO
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<https://www.tokyoikeiki.jp/e/products/measurement/>

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