

**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℃ ~ 65℃	
	Environmental Class	IEC 60529 IP67 (Option; IP68)	
	Cable Length	300m Max. (Between Main Unit and Transducers)	
Logging	Measurement logging	Date & Time, Flow rate, Totalize, Warning, Direction, Status etc total 10 data will be logged. (1 year storage in 10-minute intervals / more than 500,000 data)	
	Setting change logging	Date & Time, Name and Value of changed parameter up to 1,000 Parameters	
Function	Self - diagnostics & failure processing	Automatic Gain Adjustment (AGA function)	
	Disturbance detection	Automatic Gain Control (AGC function)	
	No echo receiving warning	Preset totalize start	
	Full scale warning	Data retention	
	Over range warning	Path fixing	
	Low flow cut	Forward / Backward flow change processing	
	Zero shift	Basic data display	
	Span compensation	Error historic counter	
	Filtering (Smoothing)	Mass indication	
	Fixed analog output	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  
KEIKI**

TOKYO KEIKI INC.

[www.tokyoikeiki.jp/e/products/measurement/](http://www.tokyoikeiki.jp/e/products/measurement/)

Measurement Systems Company

Head Office

2-16-46, Minami-Kamata, Ohta-ku, Tokyo 144-8551 JAPAN TEL. +81-3-3737-8664 FAX. +81-3-3737-8665

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