

Measurement Unlimited by The Imagination.

Ultrasonic Flowmeter
UFW-100



intelligent
DIGITAL
SYSTEM



Features

1. Automatic Logging

Totally over 64000 event data (more than 1 month with 1min interval)

2. Variety Output

Analog output (Std.), Totalizing output (Std.), Digital port for Config. (Std.) and RS-485 MODBUS (Option)

3. Extra A-IN (Option)

1 port for passive analog input is available. Input data will be logged automatically.

4. Graphical setup "EZ-wizard" on PC

Parameter forms guides in order like slide-show.

5. "EZ-Translation"

Any languages are configurable on PC locally.

6. Status signs

LCD indicates any status or operating conditions without PC.

7. Echo-wave monitor on PC

This feature helps to identify ideal mounting positions of transducers.

Specifications

Measurement	Method	Ultrasonic pulse transit time difference method		
	Diameter Range	DN 25mm ~ 600mm		
	Accuracy	Pipe Diameter	Velocity ≥ 1m/s	Velocity < 1m/s
		DN25mm ~ 40mm (*1)	±2.5% R.D.	±0.025m/s
		DN50mm ~ 90mm	±2.0% R.D.	±0.020m/s
		DN100mm ~ 250mm	±1.5% R.D.	±0.015m/s
DN300mm ~ 600mm		±1.0% R.D.	±0.010m/s	
Output	Analog output	1port (Std.)	4-20 mA	Allowable load resistance 600 Ω Max.
	Relay output	1port (Std.)	for Totalizing, Warning or Directional output	
	Digital output	1port (Std.)	USB connection / Inter-communication mode	
		1port (Option)	RS-485 / MODBUS-RTU output	
Input	Analog Input	1port (Option)	4-20 mA / Passive input	
Main unit	Protection Degree	IEC60529 IP65		
Transducer	Applicable Temperature	-20 ~ 60°C		
	Protection Degree	IEC 60529 IP65 (Std.) / IEC 60529 IP67 (Option)		
	Cable Length	30m Max. (Applicable cable model : RG-223U)		
Data Logging	Over 68,000 lines (exp. more than 1 month by 1min interval / Interval selectable) Logged Item; Date, time, Instantaneous flow rate, + Total, -Total, Error code and Event status			
Function	PC Graphical parameter setting		Span compensation	
	4 key configurable from the console		Fixed Analog Output	
	Self-diagnostics		Auto Gain Control	
	Disturbance detection		Preset Totalize Start	
	No Echo receiving warning		Data Retention	
	Low flow cut		Echo-wave form monitor	
	Zero shift		Error Status indication	

*1: Site calibration required.

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/

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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