

Measurement Unlimited by The Imagination.

Ultrasonic Flowmeter
UFW-100



intelligent
DIGITAL



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

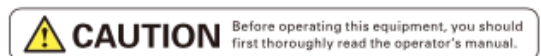
This feature helps to identify ideal mounting positions of transducers.

Specifications

Measurement	Method	Ultrasonic pulse transit time difference method		
	Diameter Range	DN 25mm ~ 600mm		
	Accuracy	Pipe Diameter	Velocity \geq 1m/s	Velocity < 1m/s
		DN25mm ~ 40mm (*1)	\pm 2.5% R.D.	\pm 0.025m/s
		DN50mm ~ 90mm	\pm 2.0% R.D.	\pm 0.020m/s
DN100mm ~ 250mm		\pm 1.5% R.D.	\pm 0.015m/s	
	DN300mm ~ 600mm	\pm 1.0% R.D.	\pm 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 4 key configurable from the console Self-diagnostics Disturbance detection No Echo receiving warning Low flow cut Zero shift		Span compensation Fixed Analog Output Auto Gain Control Preset Totalize Start Data Retention Echo-wave form monitor 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.



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