

## Stationary Type Ultrasonic Clamp-on Flowmeter **UFL-30**



### Features

#### Transit-Time

High Accuracy  $\pm 1.0\%$  R.D. measurement

#### Wide Measuring Coverage

Pipe dia : DN25mm ~ DN6000mm  
Velocity : -30m/s ~ +30m/s

#### Multi-Path System

4-Path System Capability

#### Variety Output

2 ports : RS232C digital output  
4 ports : Contact output  
2 ports : Analog output

#### Easy Configuration

Menu driven 4-keys input  
Graphical PC Configuration

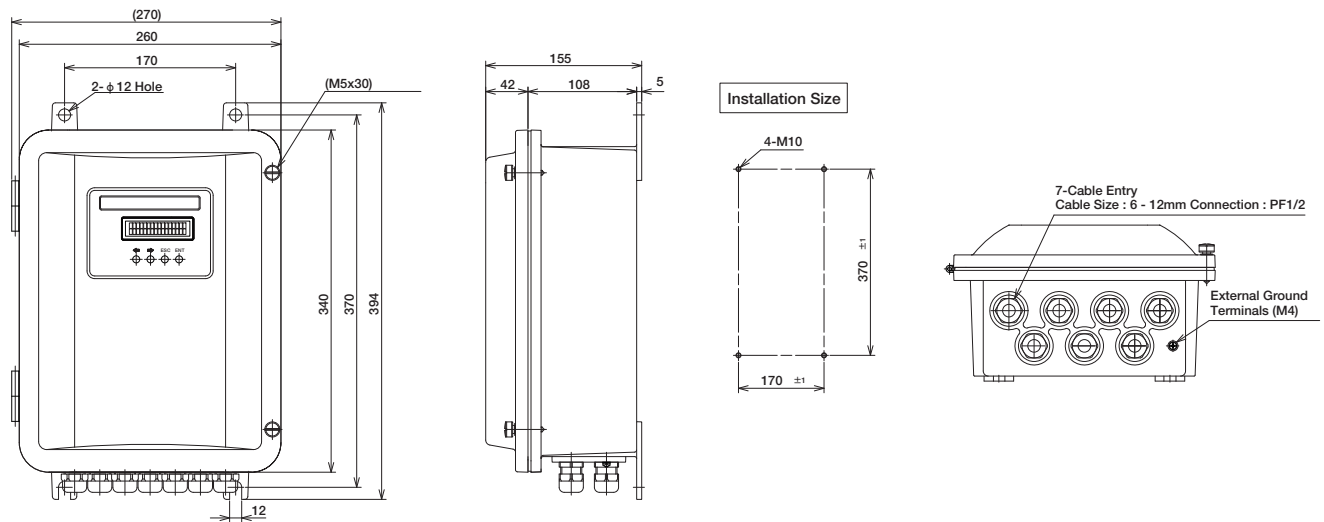


UFL-30 Main Unit

## Specifications

Main Unit			
Principle	Transit-Time Differential		
Applicable Fluid	Homogeneous and sonically conductive fluids		
Applicable Pipe Diameter	DN25 mm ~ DN6000 mm		
Measurement Range	-30 m/s ~ +30 m/s (converted to flow velocity)		
Accuracy	±1.0 % R.D. (V>0.8 m/s at DN≥300 mm / V>2 m/s at DN<250 mm)		
Repeatability	±0.5 %		
Range ability	1 : 300		
Multi-Path Measurement	4-Path (Max.)		
Temperature Range	-10 °C ~ +60 °C		
Power	Standard; AC100-230 V (±10 %) / Option; DC24 V(±20 %)		
Outputs	2ports	Digital output	One-way & Inter-communication mode Modbus (RS232C) available
	4ports	Contact output	Totalizing signal & Alarms
	2ports	Analog output	2 range output
Functions	<ul style="list-style-type: none"> <li>· Low flow cut</li> <li>· No echo receiving warning</li> <li>· Disturbance detection</li> <li>· Over range warning</li> <li>· Full scale warning</li> <li>· Zero shift compensation</li> <li>· Span compensation</li> <li>· Filtering (Smoothing)</li> <li>· Self-diagnostics &amp; failure processing</li> <li>· Data retention</li> <li>· Analog output check</li> <li>· Path fixing</li> <li>· Automatic Gain Adjustment (AGA Function)</li> <li>· Automatic Gain Control (AGC Function)</li> <li>· Forward / Backward flow change processing</li> <li>· Totalized value preset</li> <li>· Basic data display</li> <li>· Error historic counter</li> <li>· Mass indication</li> <li>· Metric &amp; English Unit</li> </ul>		
Environmental Class	IEC 60529 Protection Degree IP65		
European Compliance	EMC Directive 2004/108/EC	EN61326-1 : 2006	
	Low Voltage Directive 2006/95/EC	EN61010-1 : 2001	
Weight	Approx. 8 kg		
Transducer			
Environmental Class	IEC 60529 Protection Degree IP67 (Option : IP68)		
Temperature Range	-20 °C ~ +65 °C		
Weight	Approx. 5 kg (1 pair)		
Coaxial Cable			
Type	High Frequency Coaxial Cable 5C-2WAE		
Maximum Length	300 m (Between Main Unit to Transducers)		
Weight	Approx. 110 g/m		

## Dimensions



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.

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