

ULTRASONIC FLOWMETER

UFM-SERIES

Easy Installation
Full straight pipe
No pressure loss

The main application is in the measurement and control of water (tap water, pure water, ultrapure water).

Measurable Media

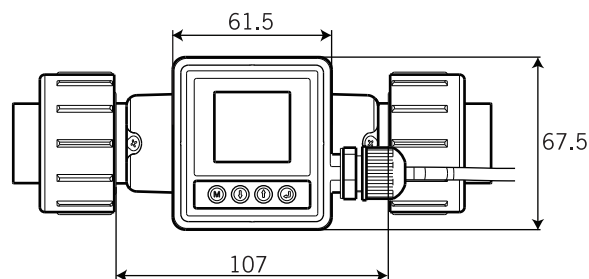
- The medium has a stable flow rate in the pipeline
- The pressure is maintained at 0.3MPa
- No bubbles (or cavitation) generated by flow
- Fluid type of water, seawater, oil, and others are available
- Negative flow measuring the reverse flow rate on option

Technical Data

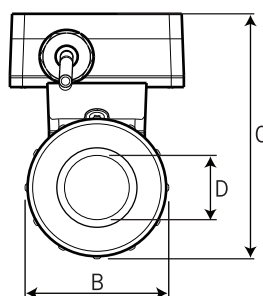
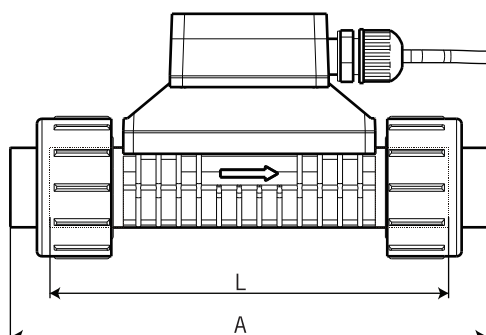
Flow Velocity: 0.1m/s ~ 5.0m/s
Accuracy: $\pm 1.0\%$ (for $\pm 0.3\text{m/s} \sim 5.0\text{m/s}$)
Repeatability: 0.4%
Response Time: 500ms
Output Signal: 4~20 mA, maximum load 600 Ω
Power Supply: 24VDC @3W
Cable Length: 2M standard; maximum 20M
Button: Four touch buttons
Display: LCD display, 1.54" 240*240 IPS (four-way rotation for easy reading)
Unit: M³/H, LPM, mL/min, GPM, LPH (default uni: LPM)
Totalizer: 7 digital
Data Storage: Totalizer for Daily, monthly and annual; data can be saved for 10 years without loss
Application: water, solutions, chemical reagents (impurities $\leq 4\%$), etc.s
Ambient Temperature: -10~50°C
Working Temperature Limit: 0~60°C
Process Connection Size: Pipe segment integrated, PVC-U union (flexible joint)
 OD20 (DN15-1/2"), OD25 (DN20-3/4"), OD32 (DN25-1"), OD40 (DN32-1 1/2")
Ambient Humidity: 0~95% relative humidity, non-condensing
Applicable Viscosity: <300CST (mm²/s)
Protection Class: IP66



Dimensions



Size	L	A	B	C	D
OD20	145	185	493	91	139
OD25	145	194	544	95	190
OD32	150	207	652	104	240
OD40	149	210	780	115	318

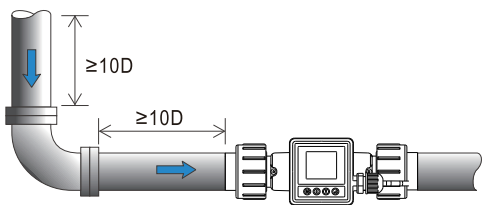
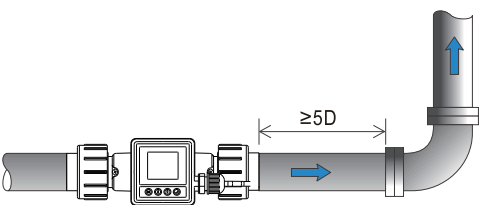
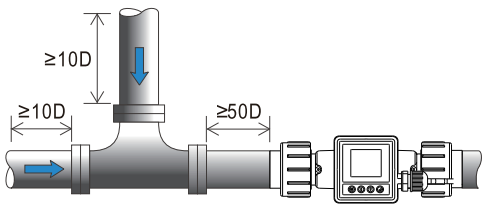
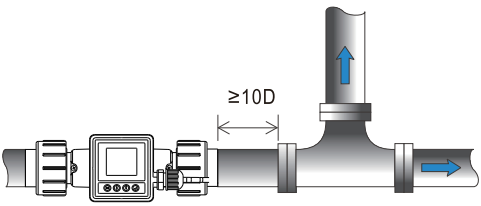
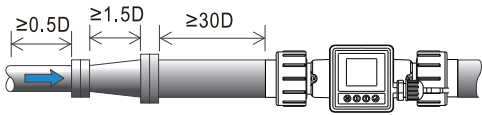
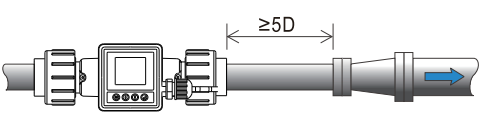
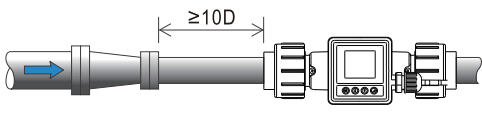
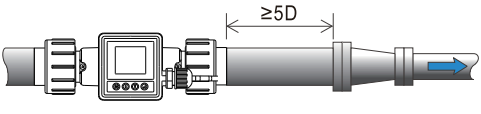
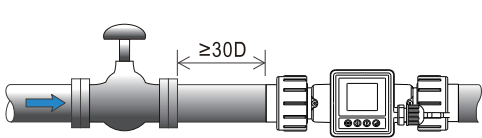
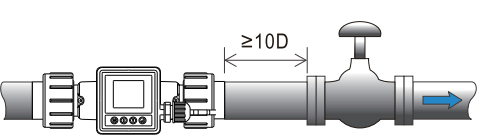
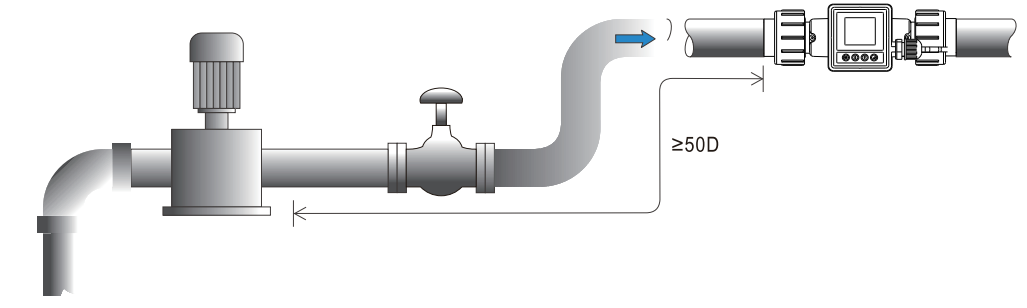


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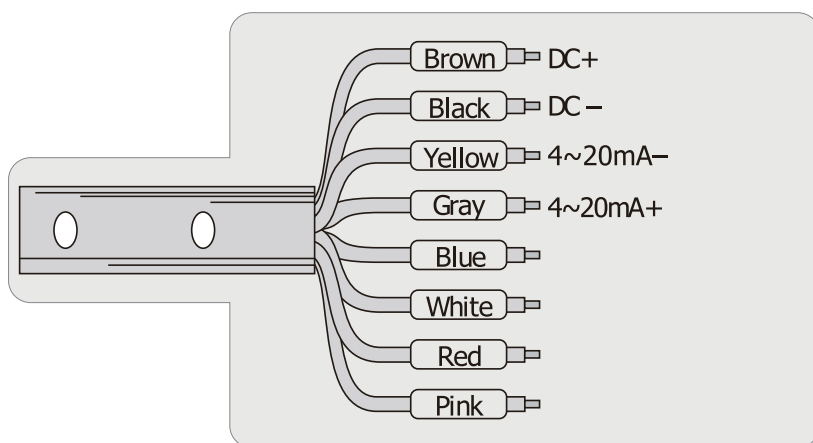
Flow Rate Table

Model Code	UFM-20	UFM-25	UFM-32	UFM-40
Pipe O.D	ø20mm	ø25mm	ø32mm	ø40mm
Size	DN15-½"	DN20-¾"	DN25-1"	DN32-1½"
Standard Flow Range	0~3000 L/H	0~5000 L/H	0~8000 L/H	0~14000 L/H

Straight Lengths Required

Mounting point	Upstream straight lengths	Downstream straight lengths
Elbow		
Tee		
Expander		
Reducer		
Valve		
Pump		

Wiring Diagram



Ordering Information

UFM	Code	Size									
	20	O.D ø20mm, DN15-½"									
	25	O.D ø25mm, DN20-¾"									
	32	O.D ø32mm, DN25-1"									
	40	O.D ø40mm, DN32-1½"									
		Code	Flow unit								
		LPM	LPM	LPH	LPH	M³/H	M³/H	GPM	GPM		
		Code	Output Signal								
		1	4~20mA								
		Code	Power Supply								
		1	24VDC								
		Code	Cable Length								
		S	2M, standard								
		O	Please fill in the requested cable length directly. (eg.10M)								
		Code	Fluid								
		W	Water								
		S	Seawater								
		O	Oil								
		T	others								
		Code	Flow Direction								
			(0) LH (5) HL (10) RL (20) LR								
		Code	Language Setting								
		E	English								
		C	Traditional Chinese								
UFM											Complete Ordering Code