





Features

1. Multi-flow Measurement Function

Easy configurable for 2-channel or 2-path measurement

2. Energy Meter Function

Energy flow rate measurement with Pt-100 RTD option

3. Receiving-echo Monitor Function

Visual confirmation whether receiving echo is "Good" or "No good"

4. Weather-proof structure IP65

IP65 rating maintained even during measurement

5. USB Memory Data Transfer

Logged data in UFP-20 can be transferred via USB memory device to a PC.

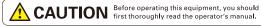
Specifications

Measurement	Method	Ultrasonic pulse transit time difference method			
	Diameter Range	DN 13mm ~ 5000mm			
	Accuracy	Pipe Diameter	Velocity ≧ 1m/s	Velocity < 1m/s	
		DN 13mm (*2) ~ 90mm	±2.0% R.D.	±0.02m/s R.D.	
		(DN 20mm ~ 50mm) (*1)	(±2.0% ~ ±5.0%) (*1)	$(\pm 0.02 \text{m/s} \sim \pm 0.05 \text{m/s}) (*1)$	
		DN 100mm ~ 250mm	±1.5% R.D.	±0.015m/s	
		DN 300mm ~ 5000mm	±1.0% R.D.	±0.01m/s	
Transducer		Applicable Diameter	Applicable Temperature		
	Small Transducer	DN 13mm ~ 50mm	−20°C ~ 120°C		
	Medium Transducer	DN 65mm ~ 500mm	−20°C ~ 120°C		
		(DN 20mm ~ 50mm) (*1)			
	Large Transducer	DN 300mm ~ 5000mm	−20°C ~ 80°C		
	Cable Length	7m as standard (157m Ma)	. Extendable)		
Output	Analog Output	1port; 4 - 20mA Allowable load resistance 550Ω Max.			
Temperature Input	4pcs of RTD (Pt - 100) as Max.				
Data Logging	Internal logged data transferred through USB memory in CSV format				
Function	EASY interfacing with Installation Wizard		Sonic Velocity measurement function		
	Self - diagnostics		(Range; 500m/s ~ 3000m/s / Accuracy; ±5%)		
	Low flow cut		Filtering		
	Zero shift		Echo - wave form monitor		
	Span compensation		Multi - language support (English, French, German, Italian, Portuguese, Russian, Spanish, Turkish)		
	2 - channel / 2 - path measurement (with additional pair of transducers)		Metric / English (inch, gallon or barrel) units selectable		
	Thickness meter function (Range; 1mm ~ 100mm / Accuracy; ±0.1mm or ±1.5% R.D.)				
Protection degree	IEC 60529 Protection De	IEC 60529 Protection Degree IP65 (Main Unit and Transducers)			
Internal Battery	8 hours as Max. / Rapid of	8 hours as Max. / Rapid charging 4 hours			

 $^{(*1):} Medium\ transducer\ is\ recommended\ for\ measurement\ of\ DN\ 20mm\ \sim 50mm\ pipe\ which\ attenuates\ sonically\ like\ Zinc\ -\ coated\ -\ pipe.$

(*2): Site calibration will be 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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Control Division I Fluid Management Systems SBU