

Floio Ultrasonic Flowmeter FM-200W



| Features |

- High Accuracy
- Wide measuring range

Several types transducer for selection, pipe size from DN25mm to DN6000mm

High Reliability

Adopt low voltage, multi-pulse technology to improve accuracy, useful life and reliability.

Strong Anti-interference

Dual-balance signal differential receiver/driver circuit to avoid interference of converter, TV tower, high voltage line etc.

• Powerful Recording Function (Option)

Automatically record the following data:

- 1. The totalizer data of the last 512 days/128 months/10 years
- 2. The time and corresponding flow rate of the last 64 times of power on and off events
- 3. The working status of the last 32 days
- Support Heat Measurement

Connect the temperature transducer, can finish the heat/energy measurement

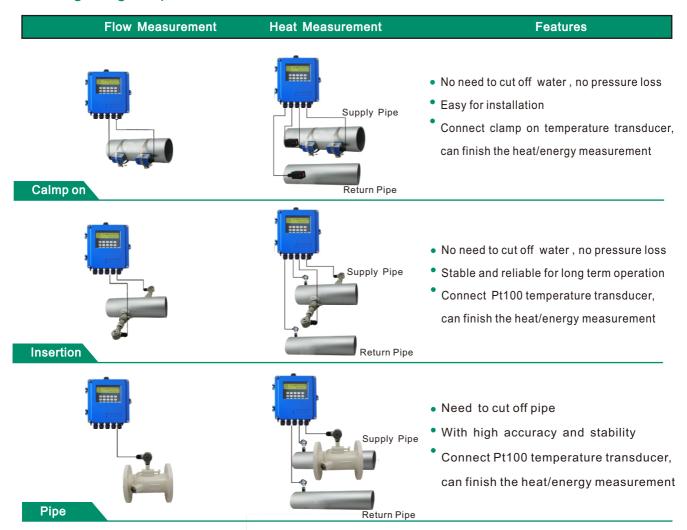


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|Liquid Type|

This flowmeter can be virtually applied to a wide range of measurement. A variety of liquid applications can be accommodated: ultra-pure liquids, potable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant effluent. etc

|Measuring Diagram|



| Optional Convertor |

According to different installation condition, pls choose relative convertor



- Panel mounted FM-300SS
- Instrument cabinet installation
- Dimension : 170×180×56mm
- Hole-opening dimension 152×76mm
- Power supply: DC8~36V or AC85~264V



- Explosion-proof FM-300SD
- Explosion-proof installation
- ullet Dimension: 298×298×110mm
- Power supply: DC8~36V or AC85~264V
- Grade : DII BT4



| Datasheet |

Items		Performance & Parameter					
Convertor	Principle	le Transit-time ultrasonic flowmeter					
	Accuracy	/ ±1%					
	Display	2×20 character LCD with backlight, support the language of Chinese, English and Italy					
	Signal Output	1 way 4~20mA output, electric resistance 0~1K, accuracy0. 1%					
		1 way OCT pulse output (Pulse width $6^{\sim}1000$ ms, default is 200 ms)					
		1 way Relay output					
	Signal Input	3 way 4~20mA input, accuracy 0. 1%, acquisition signal such as temperature, press and liquid level					
		Connect the temperature transducer Pt100, can finish the heat/energy measurement					
	Data Interface	Insulate Rs485 serial interface, upgrade the flowmeter software by computer, support the MODBUS					
Special Cable	Twisted-pair cable, generally, the length under 50 meters; Select the RS485, transmission distance can over 1000						
	Pipe Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product, liner is allowed					
Pipe Installation	Pipe Diameter	25~6000mm					
Condition	Straight Pipe	Transducer installation should be satisfied: upstream10D, downstream 5D, 30D from the pump					
Measuring Medium	Type of Liquid						
	Temperature	-30~160℃					
	Turbidity	No more than 10000ppm and less bubble					
	Flowrate	$0^{\sim}\pm7\text{m/s}$					
Working Environment	Temperature	Convertor: $-20^{\circ}60^{\circ}\mathbb{C}$; Flow Transducer: $-30^{\circ}160^{\circ}\mathbb{C}$					
	Humidity	Convertor: 85%RH; Flow Transducer: can measure under water, water depth≤2m (tansducer sealed glue)					
Power Supply	DC8~36V or AC85~264V (optional)						
Power Consumption	1. 5W						
Dimension	170*180*56cm (convertor)						



| Optional Transducers |

Types	Picture	Spec.	Model	Measurement Range	Temperature	Dimension	
	**	Small Size	S1	DN25 [~] DN100	-30 [~] 90℃	45×25×32mm	
Clamp on		Medium Size	M2	DN50~DN700	-30~90℃	64×39×44mm	
		Large Size	L2	DN300~DN6000	-30~90℃	97×54×53mm	
	**	Small Size	S1-HT	DN25 [°] DN100	-30 [~] 160℃	45×25×32mm	
High temp	High temp		M2-HT	DN50 [~] DN700	-30 [~] 160℃	64×39×44mm	
clamp on		Large Size	L2-HT	DN300~DN6000	-30 [~] 160℃	97×54×53mm	
Insertion		Standard	TC-1	DN80~DN6000	-30 [~] 160℃	190×80×55mm	
		Lengthen	TC-2	DN80~DN6000	-30 [~] 160℃	335×80×55mm	
		π type	G3	DN15 [°] DN25	-30~160℃		
Pipe		Standard	G2	DN32 [~] DN40	-30 [~] 160°C	Pls refer to detailed pipe dimensions	
		Standard	G1	DN50 [~] DN6000	-30 [~] 160℃		

| Optional Temperature Transducers |

Picture	Specification	Model	Meas. Range	Temperature	Cut of water	Accuracy	
	Clamp on temperature Transducer Pt100	CT-1	≥DN50	-40 [~] 160°C	No		
	Insertion temperature Transducer Pt100	TCT-1	≥DN50	-40 [~] 160°C	Yes	400%	
	Insertion Pt100 Installation with pressure	PCT-1	≥DN50	-40 [~] 160°C	No	100°C ± 0.8°C	
	Insertion Pt100 Small size pipe diameter	SCT-1	<dn50< td=""><td>-40[~]160°C</td><td>Yes</td><td></td></dn50<>	-40 [~] 160°C	Yes		