UF300S SERIES

WALL MOUNTED ULTRASONIC FLOWMETER

IP65

Water & Dust Resistant

Features —

- Measurement accuracy 1%.
- Convertor protection class IP67,transducer protection class IP68.
- Wide measurement range,pipe size from DN15mm to DN 6000mm.
- Connect the temperature transducer can finish the heat/energy measurement.

UF300S
Wall Mounted
Ultrasonic Flowmeter

Introduction —

UF300S flowmeter can be virtually applied to a wide range of in long-term online measurement. Convertor protection class IP65,transducer protection class IP67. A variety of liquid applications can be accommodated: ultra-pure liquids, portable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant effluent, etc.

Measuring Diagram—

Flow Measurement

Heat Measurement

Features

- No need to cut off water, no pressure loss.
- Connect clamp on temperature transducer, can finish the heat / energy measurement.
- Easy for installation.

Optional SD card memory—

Convenience for long-term and large data storage.
Available to do the data processing like tabulation,statistical, data analysis,printing reports and production flow curve by using data analysis software.

SD Card optional >>

Optional Transducers —

Type	Picture	Spec.	Model	Measurement Range	Temp.	Dimension (mm)
Clamp On		Small Size	TS-2	DN15~DN100	-30~90°C	45*25*32
		Medium Size	TM-1	DN50~DN700	-30~90°C	64*39*44
		Large Size	TL-1	DN300~DN6000	-30~90°C	97*54*53
High Temp. Clamp On		Small Size	THS-2	DN15~DN100	-30~160°C	45*25*32
		Medium Size	THM-1	DN50~DN700	-30~160°C	64*39*44
		Large Size	THL-1	DN300~DN6000	-30~160°C	97*54*53

Datasheet—

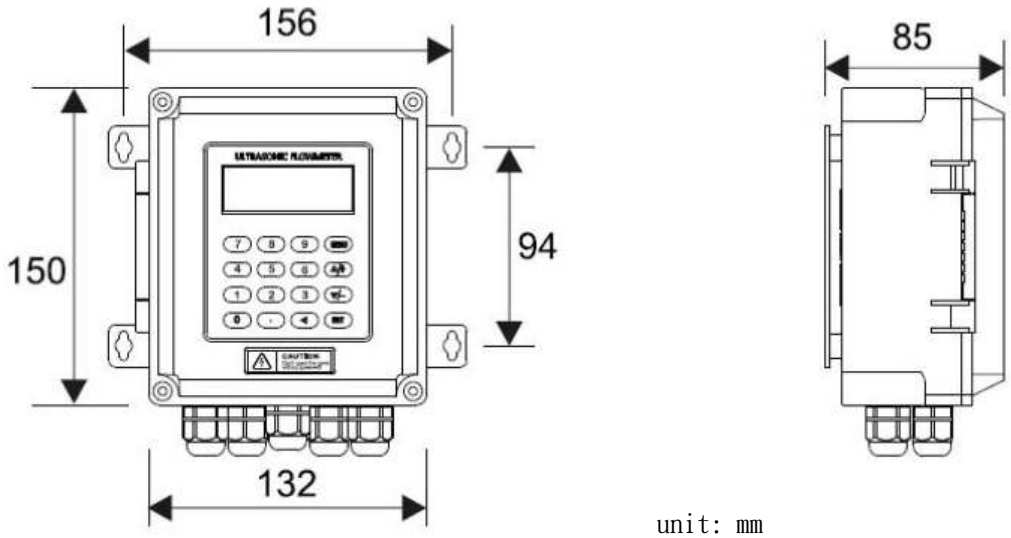
Items	Performance &. Parameter	
Convertor	Principle	Transit-time ultrasonic flowmeter
	Accuracy	±1%
	Display	2 X 20 character LCD with backlight,support the language of English,Italy,Turkish
	Signal Output	1way 4-20mA output electric resistance 0-1K, accuracy 0.1 %
		1 way OCT pulse output (Pulse width -1000ms, default is 200ms)
		1way 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, length under 50 meters; Select the RS485, transmission distance can over 1000m	
Pipe Installation Condition	Pipe Material	Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product liner is allowed
	Pipe Diameter	25 ~ 6000 mm
	Straight Pipe	Transducer installation should be satisfied: upstream10D, downstream 5D, 30D from the pump
Measuring Medium	Type of Liquid	Single liquid can transmit sound wave, such as Water (hot water, chilled water, city water , sea water, waste water, etc.) Sewage with small particle content; Oil (crude oil, lubricating oil, diesel oil, fuel oil etc.); Chemicals (alcohol, etc.); Plant effluent; Beverage; Ultra-pure liquids, etc.
	Temperature	-30 ~ 160 °C
	Turbidity	No more than 10000ppm and less bubble
	Flowrate	0~ ±32 m/s
Working Environment	Temperature	Convertor: -20~60°C ; Flow Transducer: -30 ~ 160°C
	Humidity	Convertor: 85% RH; Flow Transducer: can measure under water, water depth ≦2m (Transducer sealed glue)
Power Supply	DC 8-36V or AC85-264V (optional)	
Power Consumption	1.5W	
Dimension	132*150*85 mm (convertor)	

Ordering Code—

UF300S	Specification
Transducer	
S	Small Size (1/2" to 4")
M	Medium Size (2" to 28")
L	Large Size (12" to 240")
Temperature	
A	Standard (-30~90°C)
H	High Temperature (-30~160°C)
Cable Length	
-XXX	5M to 50M

Example	UF300S-SA-015

Dimension—



unit: mm

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