



WUF 100 CF



**WIRATAMA ULTRASONIC CLAMP-ON
CATALOG**

Product Introduction

Flowmasonic wuf100 cf series is a fixed mounted,transit-time ultrasonic flowmeter, with clamp-on transducers for non-invasive liquid measurement. Our microprocessor based,user friendly,field programmable flow measurement technique allows no interruption of the process flow and has low installation costs.

Features

- 2 line LCD display with flowrate, totalizer & signal condition.
- Stores up 64 Day/months Totalizer daily value
- Batch control function
- Wide range velocities of 0.01 - +/- 12 m/s.
- Transducers for pipe size form 15 to 1000 mm.
- High accuracy of +/-1% of reading.
- Transducers include magnet devise,for installation on metal pipe without mounting belt.
- Data logger function, include date, totalizer, signal condition .. Etc.



Specification

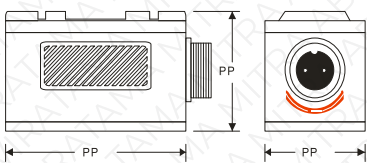
● Measuring Principle	: Transit time difference	● Keypad	: 16 Key with tactile action
● Pipe Size	: S Type : 15 mm ~ 100 mm (1/2" ~ 2.5") : M Type : 80 mm ~ 250 mm (3" ~ 10") : L Type : 300 mm ~ 1000 mm (12" ~ 40")	● Response Time	: Less than 1 second
● Pipe Material	: Cast Iron, Stainless Steel, Ductle Iron Copper, PVC, Aluminum, Asbestos Fiberglass... etc.	● Flow Velocity	: 0.01 ~ +/- 12 m/s
● Liner Material	: Tar Epoxy, Rubber, Mortar, Polypropylene, Polystryal, Ploystryene, Polyester, Ebonite, Polyethylene, Teflon... etc.	● Resolution	: 0.0001 m/s
● Display	: 2 Line LCD with illumination. Flowrate : 5 digit with decimal point Totalizer : 8 digit, Forward, Reverse & Net values. Engineer Unit : M3, Liter, US Gallon, Imperial Gallon, Million Gallon, Cubic Feet, US Barrels, Imperial Barrels, Oil Barrel. Time Unit : Second, Minute, Hour, Day. Other : Velocity, Date, Time, Signal condition.	● Ambient Temperature	: -20 ~ +50 °C
● Accuracy	: +/- 1% ~ +/- 2% of reading(0.5 ~ 30 m/s) : +/- 0.5% of reading (online calibration)	● Mounting	: wall mounting
● Repeatability	: +/-0.2% of reading	● Max. Cable Length	: 150 M
		● Power Consumption	: Less than 2W
		● Power Supply	: 90 ~ 260Vac 50/60 Hz
		● Data Storage	: Operation parameters and totalization date are stored by EEPROM for more than 10 years
		● Output	: 4-20 mA or 0-20 mA
		● Pulse Output	: 1- 9999 Hz
		● Data Logger	: 64 data include flowrate, totalizer, time, date.
		● Alarm	: High/Low with buzzer
		● Communication	: RS-232
		● Dimension	: 235 * 205 * 95 mm
		● Weight	: 1.5 Kg
		● Enclosure Converter	: IP65
		Sensor	: IP68 (Submersible)



Sensor Specification

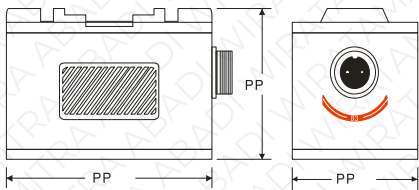
- Fluid temperature : -40° ~ 110°
- S Type

Pipe Size : 15 mm ~ 65 mm (1/2" ~ 3" Inch)
Dimention : 45 x 25 x 28 mm



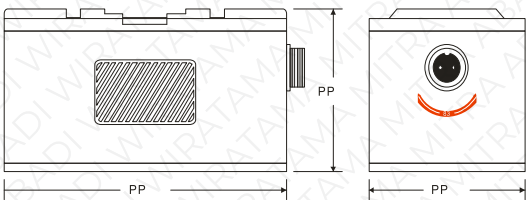
- M Type

Pipe Size : 80 mm ~ 250 mm (3" ~ 10" Inch)
Dimention : 64 x 39 x 44 mm



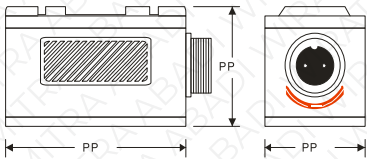
- L Type

Pipe Size : 80 mm ~ 1000 mm (12" ~ 40" Inch)
Dimention : 98 x 54 x 53 mm



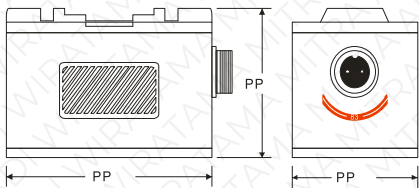
- Fluid temperature : -40° ~ 160°
- S Type

Pipe Size : 15 mm ~ 65 mm (1/2" ~ 2.5" Inch)
Dimention : 45 x 25 x 28 mm

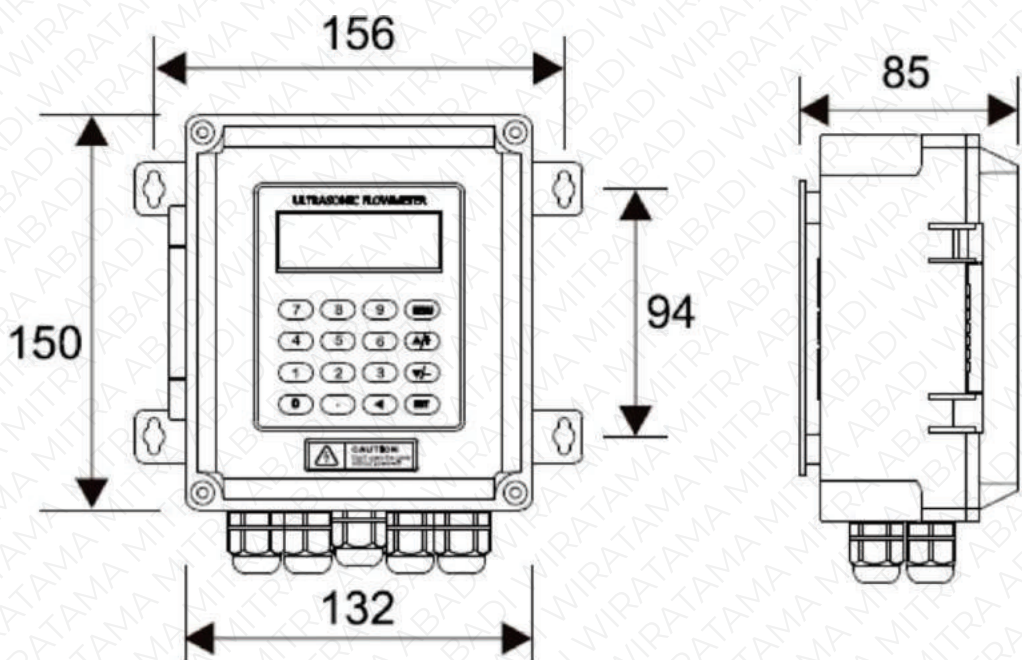


- M Type

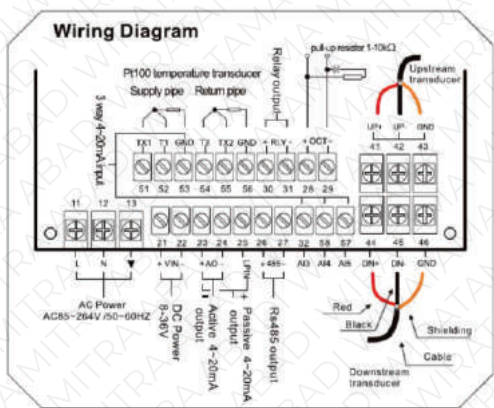
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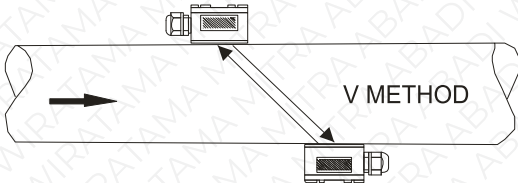
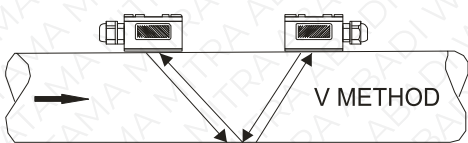
Dimension For Ultrasonic Flow Meter



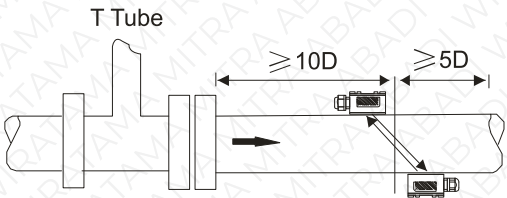
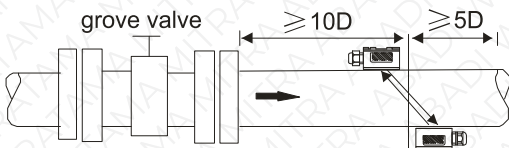
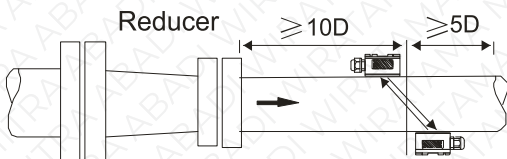
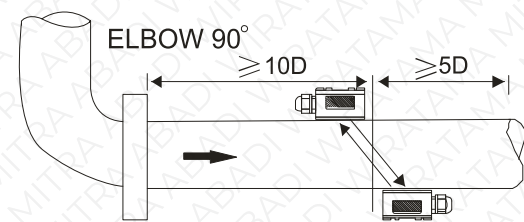
Condition on Straight Pipe



Installations



Condition on Straight Pipe



Model Selection Guide

WUF 100 CF			
EXAMPLE 1 : WUF100CF - S - 010 - NN (WUF100CF CONVERTER - SMALL SENSOR - CABLE RANGE 10M - 90~260 Or 12~36VDC)			
Basic selection	WUF100J	Basic Model, Include - WUF100CF Converter - Mounting Belt - RS232 communication cable * 1set - Bracket 1 set - Reinforced plastic Carrying Case	
Detector	-S	Small Sensor, 15~65mm(½"~2.5"), -40 ~ +110 °C	
	-M	Middle Sensor, 80~250mm(3"~10"), -40 ~ +110 °C	
	-L	Large Sensor, 300~1000mm(12"~40"), -40 ~ +110 °C	
	-HS	High-temperature Small Sensor, 15~65mm(½"~2.5"), -40 ~ +160 °C	
	-HM	High-temperature Middle Sensor, 80~250mm(3"~10"), -40 ~ +160 °C	
Cable Length	-NN	90 ~ 260Vac 50/60Hz Or 8~36 Vdc	
Power Supply	-NNN	3 - 300 M	

