



WUF 100 J



**WIRATAMA ULTRASONIC PORTABLE
CATALOG**

Product Introduction

FLOWMASONIC WUF100 J series is a portable transit-time ultrasonic flowmeter With clamp-on transducers for non-invasive liquid measurement Based on microprocessor , field programmable flow measurement technique allows no interruption to the process flow and has low installation costs.

Features

- 4 line LCD to display flowrate, totalizer signal condition .. Etc
- The flowmeter is designed in high accuracy +/-1.0%
- Small size(210*90*30mm) light-weight(500g)
- Wide range, Velocities(0.01~+/-12m/s)
- Ni-MH Battery support at least 10 hours continuous operation
- Maximum temperature 160 °c
- Transducers for pipes size from 15 to 1000 mm(½"-40")
- Transducers contains magnet devise, which can installed on metal pipe without mounting belt
- Data logger which records flowrate, date.total flow.signal condition (Etc Response time less than 1 second).



Specification

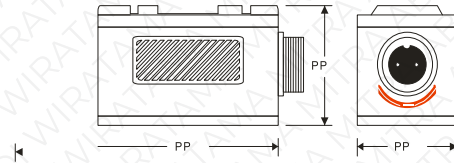
• Measuring principle	Transit time difference	• Keypad	: 18 Key with tactile action
• Pipe Size	S Type : 15mm~65mm(1/2"~2.5") M Type : 80mm~250mm(3"~10") L Type : 300mm~1000mm(12"~40")	• Response time	: Less than 1 second
• Pipe Material	Cast Iron,Stainless steel,Ductile Iron Copper, PVC,Aluminum,Asbestos Fiberglass...Etc	• Flou Velocity	: 0.01~+/-12m/s
• Liner Material	: Tar Epoxy, Rubber,Mortar,Polypropylene, Polystyrol,Polystyrene,polyester,Ebonite Poiyethylene,Teflon...Etc	• Resolution	: 0.0001m/s
• Display	: 4 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	: -40 to +60 °C
• Accuracy	: +/-1%~+/-2% value of reading : +/-0.5% value of reading(online calibration)	• Ambient Humidity	: 90% RH or Less
• Repeatability	: +/-0.2% value of reading	• Built-in Battery	: Ni-MH Battery
		• Operation Time	: > 10 Hours
		• Charger	: 90~260Vac 50/60 Hz,8-12 Hr charging
		• Data Storage	: Operation parameters and totalization Data are stored by EEPROM for more than 10 years
		• Data Logger	: 64 data include flowrate,totalizen, time,date
		• Output	: Pulse (Open collector)
		• Alarm	: High/Low with buzzer
		• Power consumption	: Less than 2W
		• Dimension	: 210 * 90 * 30mm
		• Weight	: 8 Kg(17.6 Lbs)
		• Enclosure	
		Converter	: IP65
		Sensor	: IP68(Submersible)



Sensor Specification

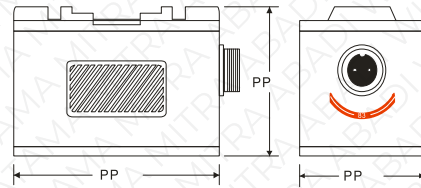
- Fluid temperature : -40 ~ 160
- S Type

Pipe Size : 15 mm ~ 80 mm (Dn1/2" ~ Dn3")
 Dimention : 45 x 25 x 28 mm



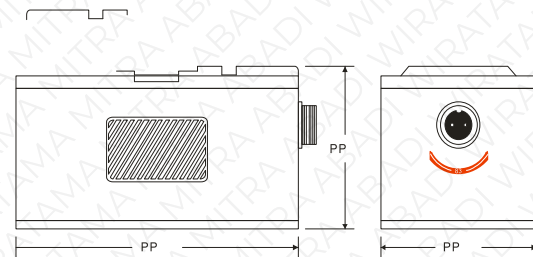
- M Type

Pipe Size : 100 mm ~ 200 mm (Dn4" ~ Dn8")
 Dimention : 64 x 39 x 44 mm



- L Type

Pipe Size : 250 mm ~ 1000 mm (Dn10" ~ Dn40")
 Dimention : 98 x 54 x 53 mm



Combination for Ultrasonic Flow Meter



Other Accessories



Reinforced plastic Carrying Case
Dimension: 460*360*140mm



Measuring Tape



Mounting belt

Model Selection Guide

WUF 100 J

EXAMPLE 1 : WUF100 J-M-B1-05

EXAMPLE 2 : WUF100 J-S, HM-B1-05, 10

Basic selection WUF100J

Basic Model, Include

- *wuf100 -j Converter* 1 set
- *Power Adaptor (90-265 VAC, 50/60Hz)* 1 set
- *RS232 communication cable * 1 set
- *Silicone grease * 1 Jug
- *Reinforced plastic Carrying Case

Detector

- S Small Sensor, 15~65 mm (1/2") 2 -30 ~ +160 °C
- M Middle Sensor, 80 ~ 250mm (3"~10"), -30 ~ +160 °C
- L Large Sensor, 300~1000mm (12"~40"), -30 ~ +160 °C

Mounting belt

- B1 3M, 1 Pair
- B2 6M, 1 Pair

Cable Length

- 05 5M, 2 Cables
- 10 10M, 2 Cables

