

HAND HOLD ULTRASONIC FLOWMETER



General :

Rawaco HHUFM is a handheld transit-time ultrasonic flow meter with clamp-on transducers for non-invasive liquid measurement. Our microprocessor based, user-friendly and field programmable flow measurement technique allows no interruption of the process flow and has low installation costs.

Features :

1. 4-line LCD display with flow rate; totalized and signal condition.
2. The flow meter is designed for high accuracy of $\pm 1.0\%$
3. Small size (200 * 92 * 32 mm); light weight (538g)
4. Wide range; velocities (0.01 \pm 32 m/s)
5. Ni-MH battery life for up to 10 hours continuous operation.
6. Transducers for pipe sizes of 13 to 6000 mm
7. Transducers include the magnetic device which can install on metal pipe without mounting belt.
8. Date logger which records flow rate, date, total flow, signal condition, etc.

Specification :



Measuring Principle	Transit time difference
Pipe size	SS Type : 15mm ~ 100mm (1/2" ~ 4") M Type : 50mm ~ 700mm (2" ~ 28") L Type : 300mm ~ 600mm (12" ~ 240")
Resolution	0.0001 m/s
Pipe Material	Cast Iron, Stainless steel, Ductile Iron, Copper, PVC, Aluminum, Asbestos Fiberglass
Keypad	18 keys with tactile action
Response Time	Less than 1 second
Ambient Temperature	-20 ~ + 50
Ambient Humidity	90% RH or less
Built in Battery	Ni-MH battery
Operation Time	> 10 Hours
Liner Material	Tar Epoxy, Rubber, Mortar, Polypropylene, Polystyrol, Polystyrene, Polyester, Ebonite, Polyethylene, Teflon, etc.
Display	4 Line LCD with illumination
Flow Rate	5 digits with decimal point
Totalize	8 digit, Forward, Reverse & Net values
Engineer Unit	M3, Liter, US Gallon, Imperial Gallon, Million Gallon, Cubic Feet, US Barrels, Imperial Barrel, Oil Barrel
Time Unit	Second, Minute, Hour, Day
Other	Velocity, Date, Time, Signal Condition
Accuracy	$\pm 1\%$ ~ $\pm 2\%$ of reading (0.5~30m/s) $\pm 0.5\%$ of reading (online calibration)
Repeatability	$\pm 0.2\%$ of reading
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 flow rate, totalizer, time, date
Alarm	High / Low with buzzer
Power consumption	Less than 2 W
Dimension	200*92*32
Weight	0.54 KG
Enclosure	Converter : IP65 Sensor : IP68 (Submersible)

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