Simple and easy type Heat Ultrasonic Flowmeter-(BTU)

GENERAL

Simple and easy type Actsonic UT-9400 Series Easy Type Heat ultrasonic flowmeter is a state-of-the-art universal transit-time flowmeter incorporating the latest developments in digital processing, with clamp-on transducers for non-invasive liquid measurement. While principally designed for clean liquid applications the instrument is tolerant of liquids with a small quantity of air bubbles or suspended solids common in most

Actsonic UT-9400 Series

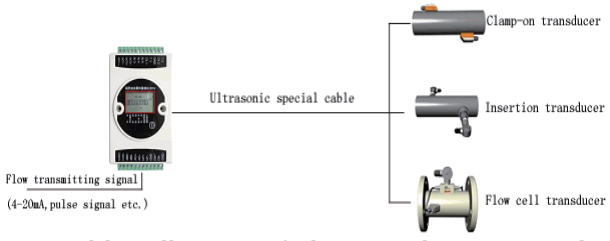
FEATURES & APPLICATIONS

- Daily, monthly and early totalized flow
- Calorimeter calculation function (BTU)
- Batch control function
- Flow velocity +/-0.01~+/-32 m/s
- High accuracy of +/-0.5% of reading
- Clamp-on sensors are simple to install, leading to lower installation and labor costs
- Clamp-on sensors mean no pipe cutting or process interruption and no plant shut-down
- Hygienic measurement, no risk of contamination, suitable for ultra clan liquids
- Measurement is independent of fluid conductivity meaning a wider applicability than magnetic meters
- Liquids Measured
- Water, sea water and other clean liquids with a content of
- suspended solids less than 10000ppm (mg / l) and withouta high content of air bubbles.
- -20°C ~ +80°C, without ice in pipes at low temperature

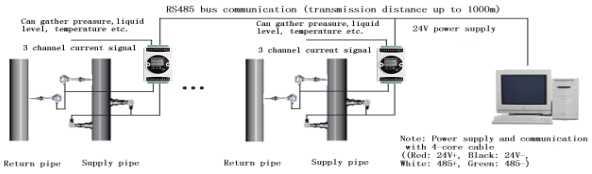
SPECIFICATION

Measuring Principle	Transit time difference
Pipe Size	S1 Type : 15 mm ~ 100 mm
	M1 Type : 50 mm ~ 1000 mm
	L1 Type : 300 mm ~ 6000 mm
Pipe Material	Cast Iron, Stainless Steel, Ductile Iron PP, PVC, Aluminum, Asbestos Fiberglass… etc.
Liner Material	Tar Epoxy, Rubber, Mortar, Polypropylene, Polystryal, Polystyrene, Polyester, Ebonite, Polyethylene, Teflon… etc.
Display	40 character, 2 Line (20*2)lsttice alphanumeric backlit LCD ,Velocity, Date, Time, Signal condition.
Flowrate	5 digit with decimal point
Totalizer	8 digit, Forward, Reverse & Net values.
	Flow Unit: M3, Liter, US Gallon, Imperial Gallon, Million Gallon, Cubic Feet, US Barrels, Imperial Barrels, Oil Barrel.
Heat Unit(Btu)	Kwh,GJ;[Engergy=Volume*(T1-T2)*K factor(Ti)]
Time Unit	Second, Minute, Hour, Day.
Flow Velocity	0.01 ~ +/- 32 m/s
Measurement Accuracy	+/- 0.5% of reading (online calibration)
Repeatability	+/- 0.1%~+ 0.5% at +/- 0 ~ +/- 32 m/s Llinearity +/- 0.5%
Basicaccumlatedcycle	500ms

Resolution	0.0001 m/s
Response Time	Less than 1 second
Keypad	16 (4*4)Key with tactile action
Output	isolation 4-20mA output (two-wire system)
Pulse Output	2xOCT Channel
Wall mount type	3-36VDC
Communication	**RS485 MODBUS**
Input (Calorimeter calcul-ation btu function)	0/4-20 mA,Temp(PT100),Pressure



composition diagram of clamp-on heat measuring



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