



ALSONIC-FX

Ultrasonic Flowmeter Model Alsonic-FX

GENERAL

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

FEATURES

- ❑ 2 line LCD display with flowrate, totalizer & diagnostics.
- ❑ Stores up 64 Day/months totalizer daily values
- ❑ Batch control function
- ❑ Wide range velocities of 0.03 ~ ± 105 feet/sec.
- ❑ Transducers for pipe sizes ranging from ½" to 240" (13 to 6000 mm)
- ❑ High accuracy of ±0.5% of reading.
- ❑ Transducers include magnetic device for installation on metal pipe without mounting belt.
- ❑ Data logger function includes date, totalizer, & signal condition diagnostic
- ❑ Response time less than 1 second.

SPECIFICATION

- Measuring Principle : Transit time difference
- Pipe Size : S Type : ½" ~ 4" (15 mm ~ 100 mm)
: M Type : 2" ~ 28" (50 mm ~ 700 mm)
: L Type : 12" ~ 240" (300 mm ~ 6000 mm)]
- Pipe Material : Cast Iron, Stainless Steel, Ductile Iron
Copper, PVC, Aluminum, Asbestos
Fiberglass... etc.
- Liner Material : Tar Epoxy, Rubber, Mortar, Polypropylene,
Polystyral, Ploystryene, Polyester, Ebonite,
Polyethylene, Teflon... etc.
- Display : 2 Line LCD with backlight
Flowrate : 5 digit with decimal point
Totalizer : 8 digit, Forward, Reverse & Net values.
Engineering Units : M³, Liter, US gallon, Imperial gallon,
Million gallons, Cubic feet, US Barrels,
Imperial barrels, Oil barrels
Time Units : Second, Minute, Hour, Day.
Other Parameters : Velocity, Date, Time, Signal condition.
- Accuracy : ± 1% ~ ± 2% of reading (1.5 ~ 100 feet/sec.)
: ± 0.5% of reading (online calibration)
- Repeatability : ±0.2% of reading
- Keypad : 16 Key with tactile action
- Response Time : Less than 1 second
- Flow Velocity : 0.03 ~ ± 105 feet/sec.
- Resolution : 0.0001 m/s
- Ambient Temperature : -5 ~ 122 °P
- Mounting : wall mounting, panel, local
- Max. Cable Length : 500'
- Power Consumption : Less than 2W
- Power Supply : 90 ~ 260V_{AC} 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
- Dimensions : 9.25" x 8.07" x 3.75"
- Weight : 3.3 lbs.
- Protection

Converter : IP65

Sensor : IP68(Submersible)

