



- Dynamic response speed: 0.004s
- DPS digital signal processing Technology, high anti-interference ability
- Time resolution 10ts
- High accuracy flow measurement, accuracy can be 0.5% class
- Flexible English display transmitter, diversified transducers can achieve different industrial sites
- Heat and cold measurement
- Circuit board welding adopt international advanced SMD automatic welding process
- CNC precision machining aluminium alloy housing material

UFM Series Fixed Type Ultrasonic Flow Meter is widely used for online flow measurement of various industrial liquid.

Transmitter type: Wall mounted A type, Wall mounted B type, Wall mounted explosion type, panel type, local display type (F4 type transmitter) and module type

Transducer type: clamp-on, insertion and pipeline type

- Accuracy: better than 1%, Repeatability: better than 0.2%
- Measurement Period: 500 ms (2times/second, every period collect 128 group data)
- Max Flow Velocity: 64m/s (velocity resolution 0.001m/s)
- Display: 2x10 English backlight LCD can display instantaneous flow and positive, negative, net accumulative flow, flow velocity etc.
- Operation: 4x4 touch keyboard operation (F4 transmitter magnetic buttons)
- Input Signal: Three way 4-20 mA analog input, accuracy up to 0.1% Can input pressure, level, temperature and other signal  
Two way three-wire PT100 temperature sensor
- Data Storage: Optional built-in data logger (SD card) can record date, instantaneous flow, accumulative flow, signal condition etc. Can import data by special software to computer which is convenient for statistics and management
- Communication Protocol: MODBUS, M-BUS, FUJI Extension Protocol and compatible with some similar products
- Other Functions:
  - Automatically record positive/negative/net accumulative flow of the past 512 days, the past 128 months and the past 10 years
  - Automatically record on/off power and flow rate of the last 30 times and can achieve add the flow rate automatically or manually, read by MODBUS protocol
  - Can program batch controller with self-diagnosis function
  - Can achieve software update by code file sent via e-mail

## Sensor Introduction

- Medium: Water, sea water, sewage, alcohol, all kinds of oil and other single, uniform, sateble liquid which can transmit ulstrasonic wave
- Viscosity: <20000 ppm with less bubble
- Pipe Material: Carbon steel, stainless steel, cast iron, copper, PVC, aluminum, FRP and other uniform pipeline, liner is allowable
- Pipe Liner Material: Epoxyasphalt, rubber, slurry polypropylene, polystyrene, ptfe etc.
- Signal Cable: SEYV75-2 type special shielded cable,single line can be lengthened to 500m, metal sleeve is needed when cabling to increase anti-interference performance, please noted cable shouldn't parallel with the high tension line and should avoid the frequency converter or other interference sources.

## Atek Elektronik Sensör Teknolojileri Sanayi ve Ticaret A.Ş.



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