- 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 modüle type

Transducer type: clamp–on, insertion and pipeline type

- Accuracy: better than 1%, Repeatability: better than 0.2%
- Measurement Period: 500 ms (2 times/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 4–20mA 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
- Commnucation 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 bacth 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: <20000ppm 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: Epoxy asphalt, rubber, slurry polypropylene, polystyrene, ptfe etc.
- Signal Cable: SEYV75-2type 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.