



DF6100-EH Doppler Handheld Ultrasonic Flow Meter



DF6100-EH Doppler Handheld Ultrasonic Flow Meter

Series DF6100-EH Doppler Insertion Ultrasonic Flow Meter is designed to measure volumetric flow of within closed conduit, the pipe line must be full of liquids, and there must be a certain amount of air bubbles or suspended solids in liquid.

The Doppler ultrasonic flow meter can display flow rate and flow totalizer, etc., and is configured with 4-20mA, Relays for Totalizer and Alarm outputs

Features:

- ◆ It is suitable for pipe sizes ranging from 25 to 4000mm
- ◆ For dirty liquids, a certain amount of air bubbles or suspended solids shall be contained
- ◆ Excellent low flow rate measurement ability, low to 0.05m/s
- ◆ A wide range of flow measurement, high flow rate can reach 12m/s
- ◆ High-temperature transducer is suitable to liquids of $-35^{\circ}\text{C} \sim 200^{\circ}\text{C}$
- ◆ Do not need to shut down the pipe flow when installing the transducers
- ◆ User-friendly configuration
- ◆ 4-20mA, Relay Totalizer and Relay Alarm outputs
- ◆ Accuracy: 2.0% Calibrated span



- ◆ Rechargeable battery can work up to 14 hours

Applications:

- ◆ Raw sewage
- ◆ Activated sludge
- ◆ Ground water
- ◆ Pulp and paper slurries
- ◆ Chemical slurries
- ◆ Drainage
- ◆ Mining recirculation

Technical Parameters:

| | |
|---------------------|--|
| Accuracy | 0.5% -- 2.0% F.S. |
| Repeatability | 0.2% |
| Response Time | 2-60s for optional |
| Principle | Doppler ultrasonic |
| Measurement period | 500 ms |
| Flow Velocity Range | 0.05- 12 m/s |
| Pipe size | 25--4000 mm |
| Liquid types | Liquids containing 100ppm of reflectors and at least 20% of the reflectors are larger than 100 micron. |
| Units | Rate and Velocity Display: gallons, ft ³ , barrels, lbs, liters, m ³ ,kg Units of time: second, minute, hour, day |
| Display | 2 line x 8 characters LCD, 8-digit rate or 8-digit total (resettable) |
| keypad | 6pcs buttons |
| Current output | 4-20mA electric current loop output, Load <750 Ω |
| Relay output | 4-20mA, Relays for Totalizer and alarm output |
| Transducer | Clamp-on |
| Temp. range | Transmitter -20-+85°C, Transducer-35-+80°C, High temp.transducer -35-200°C (optional) |
| Transducer cable | 10m |
| Power supply | Built-in li-MH battery, can work up to 12 hours AC: 85-265VAC |
| Size | 30X310X150mm |
| Transmitter weight | 518g |