



## DF6100-EP Doppler Potable Ultrasonic Flow Meter



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**Series DF6100-EP Doppler Portable 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°C ~ 200°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 50 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 <sup>3</sup> , barrels, lbs, liters, m <sup>3</sup> ,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 $\Omega$
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 lithium battery, can work up to 50 hours AC: 85-265VAC output 19VDC
Size	330X310X150mm
Transmitter weight	3.5Kg