

AFD2000 Liquid Flow Sensor



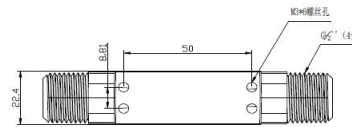
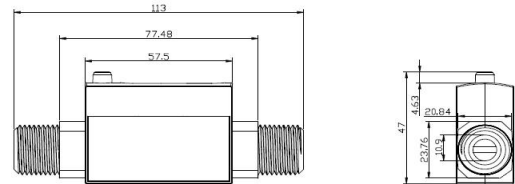
1. Product Summary

AFD2000 is a kind of Karman vortex street water flow sensor, it has various advantages such as easy for installation, stable operation, accurate measurement and long-term durability. Its working principle is Karman vortex: If there are cylindrical obstacles (vortex generator) in flowing liquid, alternating vortices will be generated downstream. Two ultrasonic detection elements are used to detect the change of vortex, and the data is sent to MCU to calculate the liquid flow in real time.

2. Key Features

- ◆ Long service life
- ◆ High stability and excellent repeatability
- ◆ Various liquid measurements
- ◆ RS485 communication
- ◆ Small size, easy for installation and simple to use

3. Dimension



Unit: mm

4. Technical Parameters

Working voltage	12V DC
Response time	1s
Measurement range	2.5~20L/min
Accuracy	±3%RD
Power consumption	≤150mA
Communication	RS485
Working temperature	5~70°C

5. Applications

AFD2000 is flow sensor for liquid flow detection. It can be widely used in food, medical, industrial, chemical and paper industries.



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