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Product quotation

Digital Vortex Flow Meter



Call for price (01728262625)

Digital Vortex Flow Meter

Origin: China

Type: Vortex

Monitor: Remote Type

Size: DN: 25~ 300 mm

Max. Temp: (-25~250) deg C

Max. Pressure: 1.6 Mpa (16 bar)

Accuracy: 1.5%

Body Material: SS

Single Output: 4~20 mA, RS485

Power Supply: 24V DC

Key Features and Benefits of Digital Vortex Flow Meter:

- **High Accuracy:** Provides precise measurement of water flow rates.
- **Non-Invasive Measurement:** No moving parts or obstructions in the flow path, minimizing pressure loss and reducing maintenance.
- **Wide Flow Range:** Can measure a wide range of flow rates, from low to high.
- **Remote Monitoring:** Many models offer remote monitoring capabilities for convenient data access.
- **Pulse Output:** Enables integration with other systems for data logging and control.
- **Durable Construction:** Built to withstand harsh conditions and provide long-lasting performance.
- **Low Maintenance:** Requires minimal maintenance, reducing operational costs.
- **Versatile Applications:** Suitable for various applications, including water supply, irrigation, and industrial processes.

How it Works:

1. **Vortex Shedding:** As fluid flows past a bluff body (such as a cylinder or wedge) within the flowmeter, vortices are shed alternately from the sides of the body.
2. **Frequency Measurement:** The frequency of these vortices is directly proportional to the flow velocity.
3. **Signal Processing:** The flowmeter's sensor detects the vortex shedding frequency and converts it into a digital signal.
4. **Flow Rate Calculation:** The flow rate is calculated based on the measured frequency and the known pipe diameter.
5. **Digital Display:** The calculated flow rate is displayed on the digital screen.

Common Applications:

- **Water Supply Systems:** For monitoring water consumption in residential and commercial buildings.
- **Irrigation Systems:** For optimizing water usage in agriculture and landscaping.
- **Industrial Processes:** For measuring water flow in various industrial processes, such as cooling systems and chemical processing.
- **Water Treatment Plants:** For monitoring water flow and treatment processes.

Key Considerations When Selecting a Digital Vortex Flow Meter:

- **Fluid Properties:** Ensure the fluid being measured has sufficient density and viscosity for vortex shedding.
- **Pipe Size:** Select a meter with a suitable pipe size to ensure accurate measurement.
- **Flow Rate Range:** Choose a meter with a suitable flow rate range for your application.
- **Accuracy Requirements:** Consider the desired level of accuracy for your application.
- **Environmental Conditions:** Assess the operating environment, such as temperature and pressure.
- **Installation Considerations:** Evaluate the ease of installation and maintenance.
- **Cost:** Balance the cost of the meter with its features and performance.

Why Choose Aquafit Technologies for Your Domestic Water Purifier Needs

When it comes to selecting a domestic water purifier, Aquafit Technologies stands out as a top choice for several compelling reasons. Here's why our clients prefer us over others:

1. **Economical Pricing:** We offer high-quality water purifiers at competitive prices, ensuring that you get the best value for your money without compromising on quality.
2. **Rapid Service:** Our dedicated team provides quick and efficient service, addressing any issues or queries promptly to ensure your purifier remains in optimal condition.
3. **Three Years of Free Servicing:** Enjoy peace of mind with our three-year free servicing offer, which covers regular maintenance and repairs, reducing long-term costs.
4. **EMI Opportunities:** To make our products more accessible, we offer EMI options, allowing you to spread the cost of your purchase over manageable monthly payments.
5. **Extensive Service Network:** With over fifty service centers across Bangladesh, we ensure that help is always close by, no matter where you are.
6. **Affordable Filter Parts:** We provide filter parts at the lowest prices, making it economical to maintain your purifier and keep it running efficiently.

7. 24/7 Service Centers: Our service centers operate around the clock, offering support whenever you need it, including evenings and weekends.
8. 100% Return Policy: We stand by the quality of our products with a 100% return policy on any default items, ensuring complete customer satisfaction.
9. Client Satisfaction First: At Aquafit Technologies, we prioritize client satisfaction above all else, striving to exceed your expectations with every interaction.
10. Flexible Payment Options: We accept payments through more than 20 bank cards and mobile banking services, making transactions convenient and hassle-free.

Choosing Aquafit Technologies means opting for quality, reliability, and exceptional customer service. Experience the difference with our top-rated domestic water purifiers and join the many satisfied clients who trust us for their water purification needs.