



Fluid Control Instrument Series



# Digital Vortex Flowmeter

## SVH

Product Technical Specification | July 2026

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## Product Overview

The SVH digital vortex flowmeter uses dual-piezoelectric crystal digital sensing technology with a mass-balanced structure for superior anti-vibration performance. It achieves  $\pm 0.75\%$  accuracy for liquid and  $\pm 1.0\%$  for gas, with  $\pm 0.2\%$  repeatability and a 20:1 turndown ratio. Fluid temperature range is  $-40$  to  $260^{\circ}\text{C}$ , body material CF8/CF8M, and flange ratings cover JIS/ANSI/DIN/GB standards. HART communication and fieldbus options are available. Ideal for high-precision measurement of clean fluids.

- Digital
- $\pm 0.75\%$
- 20:1 Turndown
- Dual Piezo
- Anti-Vibration

## Key Features



**High Accuracy**  
 $\pm 0.75\%$  liquid,  $\pm 1.0\%$  gas,  $\pm 0.2\%$  repeatability.



**Super Anti-Vibration**  
Mass-balanced sensing system eliminates pipeline vibration effects.



**20:1 Turndown**  
Wide measuring range with precise low-flow detection.



**Integrated Structure**  
Cantilever integrated design resists impact, resonance, and water hammer.



**HART/Fieldbus**  
Supports HART communication and fieldbus options.



**Multiple Styles**  
Wafer, flanged, and reduced-bore styles with multiple standards.

## Technical Specifications

| Parameter           | Specification                                                   |
|---------------------|-----------------------------------------------------------------|
| Model               | SVH                                                             |
| Principle           | Karman vortex shedding                                          |
| Media               | Liquid, gas, steam (avoid multiphase and high-viscosity fluids) |
| Accuracy            | Liquid $\pm 0.75\%$ ; Gas $\pm 1.0\%$                           |
| Repeatability       | $\pm 0.2\%$                                                     |
| Fluid Temperature   | $-40$ to $260^{\circ}\text{C}$                                  |
| Fluid Pressure      | $-0.1$ MPa to flange rating                                     |
| Turndown            | 20:1                                                            |
| Body Material       | CF8 / CF8M                                                      |
| Shedder Material    | CF8M / Other                                                    |
| Size - Wafer        | DN15 to DN100                                                   |
| Size - Flanged      | DN15 to DN300                                                   |
| Size - Reduced Bore | DN25 to DN200 (flanged only)                                    |
| Connection Standard | JIS / ANSI / DIN / GB (PN1.0-4.0MPa)                            |
| Protection          | IP65 / IP67 / IP68                                              |
| Power               | DC 10.5 to 42V                                                  |

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Analog Output         | 4-20mA DC two-wire                                                 |
| Communication         | HART / Fieldbus                                                    |
| Electrical Connection | GB/T 12716 1/2NPT internal thread / Other                          |
| Construction          | Compact / Remote                                                   |
| Remote Transmitter    | 2-inch pipe mounting                                               |
| Maintenance           | No moving parts; digital sensor requires no mechanical maintenance |

## Typical Applications

- ▶ Clean liquid high-precision flow metering
- ▶ Chemical process gas/steam measurement
- ▶ Municipal water network billing
- ▶ Industrial boiler steam metering
- ▶ Energy management compressed air metering

## Ordering Guide

| Product Code | Description                                                      |
|--------------|------------------------------------------------------------------|
| SVH          | Wafer/flanged/reduced-bore sensor + transmitter (compact/remote) |

## Accessories/Consumables

| Accessory             | Specification | Note          |
|-----------------------|---------------|---------------|
| Mating Flange         | Per standard  | Standard      |
| Mounting Bolts        | Per standard  | Standard      |
| Signal Cable (remote) | SVHC-05 etc.  | Remote option |

## Why Choose Jiuyuhub

**Application-First Matching**  
Recommendations based on your operating conditions.

**Southeast Asia Adapted**  
Optimized for tropical environments.

**One-Stop Supply**  
Water quality + fluid control + flow measurement.

**24-Hour Response**  
Fast response to inquiries.

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