



"This manual indicates that Instrava can supply vortex flowmeters tailored to customer requirements. (The image shown is for product type reference only.)"

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Analysis of the Vortex Flowmeter Market in China

The Chinese vortex flowmeter market size in 2026 is conservatively estimated at 7.05 billion RMB.

1. Licensed and Certified Vortex Flowmeter Manufacturers in China

Total: 175-190

Definition Criteria: Possessing a CMC metrology license, explosion-proof certificate, proprietary calibration equipment, software and hardware R&D capabilities, and a complete production line; capable of independently designing, manufacturing, and calibrating vortex flowmeters; and able to participate in municipal and industrial bidding projects.

Tier 1: Leading Domestic Brands Nationwide Number: 12-15

Key Strength Standards:

- Annual total revenue from flow meters $\geq$ 100 million RMB, annual revenue from vortex flow meters alone exceeding 30 million RMB.
- State-owned listed companies / large private automation groups, with self-built calibration laboratories, mechanical vibration testing benches, and high/low temperature aging test chambers.
- Capable of independently developing converter circuit boards and digital signal processing algorithms; possesses SIL explosion-proof, CPA, marine, and nuclear power supporting qualifications.
- Undertakes EPC projects for State Grid, the five major power generation groups, Sinopec, PetroChina, and large-scale chemical companies.

Core Advantages:

Performance is virtually indistinguishable from brands such as Yokogawa, Rosemount, Endress+Hauser, and Krohnech, but at only 55%~70% of imported prices; fast after-sales response, customizable modifications, and short spare parts delivery cycles.



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Primary Applications: Thermal power, chemical industry, large-scale heating networks, pharmaceuticals, and high-end steam metering in metallurgy.

Second Tier: Regional medium-sized specialized manufacturers (domestic second tier, industry backbone)

Number: 65-75 companies

Hard Requirements:

- Annual Revenue: 5 million-100 million RMB
- Possess basic software and hardware secondary development capabilities; capable of mass-producing integrated temperature and pressure compensation vortex sheaths (mainstay for heating boilers); possesses basic calibration equipment, ISO9001 certification, and explosion-proof certificate.

Advantages: Extremely high cost-performance ratio, flexible non-standard customization, and fast delivery.

Third Tier: Small and micro assembly and OEM manufacturers

Number: 90-105 companies

Current Status:

1. No independent R&D: All products are assembled using general-purpose circuit boards and probe kits; no algorithm optimization capabilities.
2. Most only have simple business licenses, lack formal CMC metrology qualifications, and cannot participate in government procurement or large-scale industrial bidding.
3. Poor accuracy, weak vibration resistance, large temperature drift, short service life; primarily focused on extremely low prices and high volume. Applicable scenarios: small coal-fired boilers, individual household heating, temporary simple pipeline metering



About Us

Trusted. Reliable. In China.

At Instrava, we adopt a neutral and impartial approach to help you select the most suitable products.

We rigorously evaluate and select manufacturers in China to ensure that the product solutions we offer are reliable and trustworthy—after all, our livelihood depends on it.

We aim to be a dependable international partner and to build genuine, mutual trust. Helping you solve problems is how we sustain our own business.

As a Chinese company, we understand China's vast market landscape.

And you—my partner—need only understand us.

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Our Product Portfolio:

Level Meters, Flowmeters, Transmitters, Level Switches, Edge Gateways, APL Switches, Liquid Analytical Instruments, Optical Analytical Instruments, Gas Detectors, Energy Monitoring & Control Systems, Power Transformers, Industrial Machinery, etc.

Delivering premium industrial products and bringing China's highly cost-effective solutions to the global market.

Whether you are an EPC contractor, OEM equipment manufacturer, industrial distributor, or trader—or a procurement manager in demanding sectors like Oil & Gas, Petrochemicals, Chemical & Pharma, Water Treatment, or Food & Beverage—we stand firmly in your shoes. We navigate the complex Chinese supply chain on your behalf, ensuring you procure the most suitable measurement instruments and obtain the ideal solutions for your exact needs.



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