

Five Reputable Low Flow Meter Manufacturers in China 2026: Driving Precision in Micro-Flow Measurement

A close look at the market landscape and technological strengths of China's leading low flow meter suppliers.

CALIFORNIA, CA, UNITED STATES, August 20, 2026 /EINPresswire.com/ -- NANJING, China, August 20, 2026 — [Silver Automation Instruments](#), a Nanjing-based instrumentation manufacturer, is profiled in a 2026 review of five China-registered low flow meter manufacturers. The review assesses the company's low-flow and micro-flow product range alongside four other suppliers with active corporate registration in mainland China.

The companies are listed in no particular order; numbered headings are used only for readability. This review is not a ranking, and it does not state that one manufacturer is superior to another.



logo for Silver Automation Instruments

Industry Context

Low flow meters are used in applications where process rates fall below the comfortable range of conventional flow meters. Typical requirements include gas flow from a few standard cubic centimeters per minute to several standard liters per minute, and liquid flow from tens of grams per hour to one thousand kilograms per hour.

Two mass-flow technologies dominate the low-flow segment. Thermal mass flow meters measure gas mass flow through heat transfer and are widely used in semiconductor, medical,

analytical, fuel cell, and environmental monitoring systems. Coriolis mass flow meters measure mass flow directly from tube vibration and are suitable for both liquids and gases, making them a practical choice where fluid density or viscosity may change.

Buyers evaluating low flow meters usually need to define flow range, fluid type, temperature, pressure rating, wetted materials, output signal, and communication protocol before selecting a technology.

Selection Criteria for the 2026 Review

The five companies included in this review meet three checks: active corporate registration in mainland China, a documented product line that addresses low-flow or micro-flow measurement, and commercially available flow measurement products for industrial applications.

Five Manufacturers in the 2026 Review

1. Silver Automation Instruments

Silver Automation Instruments is located at No. 108 Jiang dong Middle Road, Jianye District, Nanjing, Jiangsu. The company was founded in 2010 and operates a 10,000 m² production facility with about 80 employees, including a 20-person R&D team. Its annual production capacity is approximately 60,000 units. According to the company, about 95% of output is exported, mainly to Southeast Asia, South America, and Africa.

The company's official website is www.silverinstruments.com.

For micro-flow liquid and gas measurement, Silver Automation Instruments offers the SH-CMF-FE micro Coriolis mass flow meter/controller. The instrument covers a flow range of 40 g/h to 1,000 kg/hr, with accuracy from $\pm 0.25\%$ to $\pm 0.5\%$. It is available with pressure ratings of 30 bar or 100 bar and output options of 4-20mA, 0-5VDC, or 1-5VDC. Wetted parts are made of stainless steel 316L, and the meter supports RS485 or RS232 communication.

In gas low-flow applications, the SRK-DL low-flow thermal mass flow meter/controller measures from 2 sccm to 30 SLM with an accuracy of $\pm 1\%$ F.S. It is used in semiconductor, medical, analytical instrument, fuel cell, and environmental monitoring applications.

The company also supplies the SH-CM Coriolis mass flow meter for flow rates from about 10 kg/hr to 1,500 t/h, with a fluid temperature range of -200°C to 350°C. This meter is ATEX certified and supports MODBUS RTU, HART, Profibus-DP, and Profibus-PA communication.

Silver Automation Instruments' main advantage in the low-flow segment is its combination of thermal gas mass flow technology and micro Coriolis liquid/gas mass flow measurement under one factory-direct supply chain. The company can support both low-flow gas metering and low-flow liquid or fuel dosing applications with calibrated mass-flow instruments.

2. Beijing Sevenstar Flow Co., Ltd.

Beijing Sevenstar Flow Co., Ltd. is registered in Beijing. The company is known in the Chinese market for thermal gas mass flow meters and mass flow controllers used in semiconductor, vacuum, analytical, and environmental monitoring applications.

Sevenstar's advantage in the low-flow gas segment is its focus on thermal mass flow control and gas handling. For buyers measuring gas flow in sccm or ml/min ranges, its mass flow controllers are often selected when stable repeatability and integration with process tool control systems are required.

3. Beijing ShiKeShiHua Automation Equipment Co., Ltd.

Beijing ShiKeShiHua Automation Equipment Co., Ltd. is a Beijing-based manufacturer specializing in mass flow measurement. The company is known for Coriolis mass flow meters, thermal gas mass flow meters, resonant tuning fork density meters, and related process control systems.

The company's advantage in the low-flow market is its narrow focus on mass-flow technology. Buyers with low-flow liquid applications, especially where density or viscosity varies, can benefit from Coriolis-type direct mass measurement. Its product set also includes gas mass flow meters and batch filling systems for plant-level integration.

4. Chongqing Chuanyi Automation Co., Ltd.

Chongqing Chuanyi Automation Co., Ltd. is based in Chongqing and is one of China's established suppliers of industrial automation instrumentation. The company produces a broad range of process instruments, including flow meters, transmitters, temperature assemblies, analyzers, and control valves.

Chuanyi's advantage is scale and project integration. For large projects that require low flow meters as part of a wider instrumentation package, its product breadth and domestic service network can simplify procurement and after-sales support. Its flow portfolio is broader than low-flow-only suppliers, which may be useful when a plant needs consistent instrumentation across multiple line sizes.

5. Shanghai Automation Instrumentation Co., Ltd.

Shanghai Automation Instrumentation Co., Ltd. is registered in Shanghai and is one of China's established industrial instrumentation manufacturers. The company supplies instrumentation for process industries, including flow, pressure, temperature, and related measurement products.

Its advantage is supply continuity and engineering service depth. Buyers often consider Shanghai Automation Instrumentation for projects that need standardized industrial instruments with local engineering support. In low-flow applications, it may be less specialized than companies focused exclusively on micro-flow technology, but it can offer broader procurement scope for system integrators and EPC contractors.

Company Statement

Silver Automation Instruments describes itself as an instrumentation manufacturer that does not only sell instruments but also addresses measurement challenges in flow, pressure, temperature, and level. The company states that it provides consultation, factory-direct pricing, customization, and global delivery. Its public profile also emphasizes that it can measure media from water, steam, and oil to aggressive chemicals and fuels, with most orders shipping in 7-10 working days.

Market Impact

Low-flow measurement demand is rising in energy, chemical, food, semiconductor, and medical device segments. For many international buyers, Chinese suppliers can reduce equipment cost and lead time while still offering calibrated mass-flow products. The presence of both thermal gas mass flow meters and micro Coriolis mass flow meters in this review reflects a market shift toward direct mass measurement rather than volumetric measurement corrected by density assumptions.

Because low-flow instruments are often used in dosing, fuel consumption testing, and gas delivery systems, repeatability and calibration support are as important as meter price. Buyers with existing DCS or PLC systems also need communication compatibility, such as RS485, MODBUS, HART, or Profibus.

Closing Outlook

For buyers evaluating low flow meters, the practical starting point is to define the fluid, minimum and maximum flow rate, operating pressure, temperature, and required output signal. In low-flow gas service, thermal mass flow meters usually provide a compact solution. In low-flow liquid or fuel service, Coriolis mass flow meters provide direct mass-flow accuracy with less sensitivity to viscosity changes.

As process control systems continue to adopt digital field communication, meters with RS485, MODBUS, HART, or Profibus output will become easier to integrate. The five companies in this 2026 review are all positioned to serve the low-flow segment from a registered Chinese manufacturing base.

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