

Five Reputable Ultrasonic Water Meter Manufacturers in China 2026: Providing High Precision Water Measurement Solutions

Chinese manufacturers are advancing ultrasonic water meter technology with accurate measurement, smart monitoring, and reliable performance.

CALIFORNIA, CA, UNITED STATES, August 13, 2026 /EINPresswire.com/ -- Kaifeng, Henan, China – August 13, 2026—Water utilities are expanding remote-reading water networks, and a group of China-based manufacturers is supplying the ultrasonic and smart water meters used in those projects. One of these suppliers is Shengda Water Meter Co., Ltd. (SDWM), a meter producer based in Kaifeng, Henan province, founded in 1995. SDWM operates a 66,000 m² production facility and exports water meters and flow meters to the United States, South America, Africa and Southeast Asia.



Shengda Water Meter.,Co.,LTD

Market context: why ultrasonic water meters are being specified more often

An [ultrasonic water meter](#) measures flow by sending ultrasonic signals through the water and calculating the transit-time difference. The measuring chamber contains no moving parts, which reduces mechanical wear and supports low-flow sensitivity. This design is one reason why ultrasonic meters are used in projects that need stable measurement over a long service life. Many Chinese manufacturers now offer ultrasonic meters with communication modules for automatic meter reading (AMR), advanced metering infrastructure (AMI), and smart city data platforms. Common communication options include LoRaWAN, NB-IoT, 4G, M-Bus and RS485.

Housing conditions also make meter design a procurement issue. Meters installed in

underground pits or meter boxes are often required to meet IP68 protection, and battery-powered meters are expected to operate for up to ten years without grid power. Chinese meter manufacturers have adjusted their product designs to meet these conditions.

Manufacturers active in China's ultrasonic water meter market

The following five manufacturers are among the Chinese companies regularly recognised in water metering supply discussions for their ultrasonic and smart water meter offerings. The order of the list does not represent a performance ranking. The selection is based on the companies' visible participation in the smart water meter and ultrasonic water meter segments and their international supply activity.

Huizhong Instrumentation Co., Ltd.

Huizhong Instrumentation Co., Ltd. is based in Tangshan, Hebei province, and is known for ultrasonic measurement technology. The company develops ultrasonic flow meters, heat meters and water meters, and its history is in flow measurement rather than traditional mechanical meter production. For buyers, the company's relevance is its long-term focus on ultrasonic transit-time measurement.

Sanchuan Wisdom Technology Co., Ltd.

Sanchuan Wisdom Technology Co., Ltd. is based in Yingtian, Jiangxi province, and belongs to the group of large-scale Chinese water meter producers. Its water meter business includes mechanical meters, smart meters and water metering systems for utility customers. The company's position in the market is built on municipal water meter supply and the development of smart water management tools.

Ningbo Water Meter (Group) Co., Ltd.

Ningbo Water Meter (Group) Co., Ltd. is based in Ningbo, Zhejiang province. The company has a long history in water meter manufacturing and sells a wide range of domestic and industrial water meters. In recent years it has added smart meter products that support remote reading. It is recognised mainly for scale and experience in the export water meter business.

Suntront Technology Co., Ltd.

Suntront Technology Co., Ltd. is based in Zhengzhou, Henan province. The company focuses on intelligent metering devices and utility management systems. Its product range covers water and electricity metering, and it supplies a large customer base in the utility sector. Suntront is relevant in the ultrasonic meter discussion because of its smart-meter software and data platform capabilities.

Shengda Water Meter Co., Ltd. (SDWM) is a meter and flow meter manufacturer based in Kaifeng, China. The company was established in 1995 and reports that its products are exported to more than 140 countries. More than 65% of its business comes from repeat customers, according to company information. In 2020, SDWM commissioned a new factory with an annual production capacity of 10 million units.

SDWM's factory covers 66,000 m² and the company employs more than 200 people. It holds ISO9001, ISO14001 and ISO45001 management system certifications, and its product certifications include CE, MID and ISO4064. The company also provides OEM/ODM services and produces smart water meters, ultrasonic water meters, LoRaWAN water meters, prepaid water meters, electromagnetic flow meters and magnetic flow meters.

For ultrasonic metering projects, SDWM offers the LXSY, a smart ultrasonic water meter for residential and industrial use. The LXSY covers nominal diameters DN15–DN600 with flow ratio options R250, R400 and R500. It supports LoRaWAN, NB-IoT, 4G Cat.1 and RS485 communication, has IP68 protection and is powered by a lithium battery with a service life of up to 10 years. The LXSC is SDWM's LoRaWAN ultrasonic water meter, available across DN15–DN600, and supports LoRaWAN frequency bands EU868, US915, AS923 and AU915. Optional functions include remote valve shut-off, leakage alarms, tamper alarms, low-battery alarms and historical data storage.

SDWM also produces the LXSG R200 mechanical water meter for residential billing applications, which complies with ISO 4064 and OIML R49 and covers DN15–DN25. The company supplies a range of communication interfaces, such as pulse output, M-Bus, RS485, LoRaWAN and NB-IoT, across its meter families. This makes SDWM one of the Chinese manufacturers able to serve both mechanical and ultrasonic metering segments for international buyers.

Wider product coverage: prepaid, wired and wireless remote reading

In municipal projects, SDWM meters are used for water consumption measurement, remote meter reading, billing management, leakage detection and water balance analysis. The product range also includes prepaid systems, such as the LXS-S STS prepaid water meter and the LXSK smart card prepaid water meter, both intended for payment-before-use water supply. The NB-IoT smart water meter supports remote reading, remote valve control, low-battery alarms and abnormal metering alarms. The [LoRaWAN water meter](#) LXSY is designed for residential, commercial and agricultural applications and can be integrated with AMR/AMI systems.

For industrial and bulk metering, the same communication modules can be paired with Woltman water meters and electromagnetic flow meters used for large-diameter pipes. According to its corporate materials, Shengda states that it is recognised for reliable quality, advanced technology and accurate measurement solutions.

Verification points when selecting a Chinese ultrasonic water meter manufacturer

Buyers evaluating Chinese suppliers usually verify the meter standard first. ISO 4064 is the common metrological reference, while CE and MID certificates are used in markets that require formal compliance documentation. The flow ratio, such as R250 or R400, is another specification to compare because it defines the meter's measuring range. A higher R value generally indicates better sensitivity at low flow rates.

Communication protocol is another key choice. LoRaWAN is frequently used for wireless remote reading in open networks; NB-IoT is used where cellular coverage is available; M-Bus and RS485 are selected for wired connections to building management systems. Protection class matters for meters installed in underground or outdoor chambers. Battery life is reviewed because water meters are often required to operate for up to 10 years without maintenance.

Outlook

Ultrasonic water metering is expected to keep growing as utilities replace manually read mechanical meters and move toward remote data collection. Chinese suppliers have a strong position in this shift because they can offer complete production from meter body manufacturing to communication module integration. For project planners, the immediate task is to confirm that the selected manufacturer has the relevant certifications, communication options and installation flexibility to match the utility's existing network.

Miranda

Shengda Water Meter.,Co.,LTD

+ +86 18603780816

admin@henanpanda.com

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