

Benefits of buying a flow meter through China Flow Meters

In this article we have dealt about flow meters. We will discuss how you can choose the best flow meter for yourself and why China Flow Meters are so popular.

HUAI'AN, JIANGSU, CHINA, March 6, 2020 /EINPresswire.com/ -- Silver Automation Instruments is a supplier of China industrial flow meters. The company supplies liquid flow meters, gas flow meters and steam flow meters as per the requirement according to the medium that is passing through the flow sensors.

All the technical custom specifications of the customer are met by the manufacturers as one type of flow meter cannot fulfill the needs of all applications. The company provides its customers with every type of flow meter they might require such as analog ones that produce 4-20mA signals or maybe a pulse flow meter.

The common type of flow meters that they supply are totalizing flow meters, which take into account the totalized flow as well as the instant flow.

What is flow meter?

Flow meters are mechanical devices that employ the use of flow sensors and transmitters to figure out the amount of medium passing through where the medium could be gas or liquid.

Different types of flow meters exist by their varying working principle, applications, accuracy, the ability to measure the different flow rates of gases and liquids such as volumetric, mass, nonlinear or linear and also if they are mechanical or digital.

Flow meters are also referred to as flow sensors or flow transmitters in various different industries. Flow meters are used to quantify the fluid movement in a pipe or a system.

How to choose the right flow meter?

Different industries require different types of flow meters according to their application, the characteristics or even the budget of the employing industry. Thus, there is a need for a variety of different types of flow meters, which vary in accuracy, bearable temperatures, measuring and pressure ranges, etc.



Magnetic flow meter



Turbine flow meters

Therefore, when looking for a flow meter there are various aspects which need to be considered to choose the right fit of flow meters for an industry.

Benefits of buying a flow meter through China Flow Meters

The china Flow meters pride themselves in the variety of flow meter types that they have to offer. Like all the good companies they are familiar with that fact that one good product cannot be sufficient for use in all types of industries, therefore, they offer various customizations and a long list of different types of flow meters based on their technique of measurement and their compatibility for all kinds of materials in any form be it gas or liquid.

For any industry that is looking to invest in a great flow meter, China flow meters are the best option as not only they provide with cheap and durable flow meters, but also they offer all types of features which meet the customers demands such as hot water meter, cheap air, and [gas flow meter](#), hygienic flow meters, etc.

Each flow meter build by the company is unique and pertain to the need of their customers and not only the flow meters are good, but the company's great service, low prices and the ability to meet all your specifications make it a top of the line business.

The best selling products of the company include the digital water flow meters, thermal mass flow meters, electromagnetic flow meters, etc.

The Flow meter Types offered by China flow meter factory and manufactures:

There are different types of flow meters supplied by the China flow meter to meet the needs of their customers, some of the flow meter types are listed below with their applications:

[Magnetic flow meter](#)

As the name suggests, this type of flow meter is used to measure the conductive fluid flowing through the pipe by the use of induction through a magnetic field. This type of flow meter is best for corrosive, slurry, acid or rough liquids.

Applications: These types of flow meters find great use in industries such as wastewater management, municipal section. Some chemical factories also buy this type of flow meter to measure various chemical solutions, acid, mud, and other corrosive solutions. These magnetic flow meters provide a big advantage over the other types with their ability to measure bulk flow.

Oval gear flow meter

Oval gear flow meter is used for the measurement of fluid volumes where the measurement has to be precise and accurate.

They are termed as positive displacement type flow meters, they can function in harsh environments and are heavy-duty flow sensors.

Applications: These types of flow meters find use in the food industry, marine and shipbuilding industry as well as oil, gas, paper, paint, and petroleum industries,



Thermal Mass Flow Meters

These types of flow meters are gas mass flow meters, which measure the mass through the interchange in heat and energy by the flow of gases and air.

Thermal mass flow meter features: The best feature of these types of flow meters is the lack of moving parts, helping to reduce the need for maintenance, which in turn helps to reduce the costs of maintaining this type of flow meter.

They are also known for their ability to be used in the largest of pipes and tubes and also measure gas, air or even compressed air flow.

Ultrasonic flow meters

To calculate the volume of liquids and gases these types of flow meters use the radar principle, where the sensor creates sound waves towards the flowing water source and when the sound waves are reflected back the transmitter picks up the waves to measure the velocity.

The Doppler's effect is the main principle on which these flow meters calculate the flow rate.

Applications: This unique method of working of these flow meters is utilized to measure the clean water flow rates of canals, streams, and rivers. It can also be employed to measure the rate in saline waters such as oceans and seas.

Some other types of flow meters manufactured by China flow meters include the [Turbine flow meter](#), Coriolis flow meter, Vortex flow meter, Metal tube variable area flow meter, Differential pressure flow meter, Differential Pressure Flow meter-chino, etc.

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