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Traditional Gas Flow Meters are Still a Bastion of Gas Flow Measurement and Gas flow measurement is becoming extremely imperative, as fuel prices continue to stay soaring and as environmental concerns mount about substitutes to natural gas like nuclear power and coal.

Furthermore, technologies such as wind and solar power are great alternatives to fossil fuels, but the problem with them is that they are quite costly since they are in the initial stages of development. Most people are considering natural gas in the new light today since new technologies and techniques have been developed that makes it possible to haul out natural gas in new locations. As per the current estimates, presently the world has adequate natural gas reserves to last from 50-75 years at a time when fuel supplies are flagging. Consequently, many people believe natural gas can potentially serve as a long-term bridge to renewable forms of energy.

In this context, it is sensible to look at the benefits of Gas Flow Meters devised in the form of Differential Pressure Flow Meters, Turbine Flow meters and Positive Displacement Flow Meters.

Differential-Pressure (DP) Flow Meters:

DP is a mainstay for inexpensive gas flow measurement. Despite their limitations, many industries still trust Differential Pressure flow meters, especially when utilized with orifice plates in order to measure gas flow, where precision is not at premium. Over the past couple of years, pressure transmitter manufacturers have produced many new meters with advanced features. These features guarantee higher reliability, advanced communication protocol, improved diagnostics and higher exactitude.

Turbine Flow Meters:

Turbine flow meters remain highly popular and viable alternative for measuring gas flow. The major benefit of turbine meters is their relatively low cost when compared to new-technology meters such as Coriolis and ultrasonic flow meters. Turbine flow meters have a considerable cost advantage over ultrasonic flow meters, particularly in larger pipelines. Moreover, their cost can be compared favourably to Differential Pressure flow meters, particularly in instances where one turbine flow meter can substitute several DP meters.

Secondly, turbine gas flow meters manufacturers are making technological improvements in order to make turbine flow meters more reliable. Many of these improvements include making the moving components more reliable.

Positive Displacement (PD) Flow Meters:

These meters are popularly known as the workhorses of the flow meter world. They can perform numerous vital flow measurements that majority of people take for granted. For instance, PD meters are widely utilized for billing applications for both gas and liquids. Even though they face tough competition from new-technology flow meters in some areas, PD flow meters remains an ideal solution for some specific applications. PD flow meters are utilized as billing meters to determine the amount of gas utilized in industrial plants, residences and commercial buildings.

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Conventional Technology a Gas Flow Meters Need Improvements and Innovation:
Conventional technology flow meters still have an edge over new technology flow meters with their reduced requirement for maintenance. By the year 2015, new-technology meters are anticipated to account for 46% of total gas flow meter market. To know more please visit http://www.csinstrument.com/

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