

AMI Gas Meter Market: Current Analysis and Forecast (2025-2033)

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Abstracts

Advanced metering infrastructure (AMI) gas meters are smart devices used to measure natural gas consumption and send real-time usage data to service providers. These gas meters use two-way communication, allowing service providers to remotely monitor usage, detect leaks, and manage supply without manual readings. The sensors are integrated into these meters to monitor gas flow and convert that data into digital signals, which are then transmitted through wireless networks such as NB-IoT, LoRaWAN, or LTE-M. These meters focus heavily on safety by detecting leaks and abnormal pressure changes, thereby improving billing accuracy, enhancing operational efficiency, and supporting regulatory compliance.

The AMI gas meter market is set to show a growth rate of about 9.81% during the forecast period (2025-2033F). The global demand for energy-saving, real-time monitoring, and smart utility management solutions is accelerating market growth. The rising investment by the government in smart grid infrastructure and the integration of IoT devices and cloud computing platforms in gas meters are driving the market growth. Furthermore, rapid urbanization, digitization, and sustainability initiatives are boosting the demand for smart metering systems that improve energy utilization and support the integration of renewable energy sources. Moreover, supportive government rules, smart city programs, and investments by leading companies drive the market growth.

Based on the type category, the market is categorized into smart and basic. Among these, the smart AMI gas meters market segment dominates the AMI gas meter market as these meters allow real-time data collection, two-way communication, remote monitoring, leak detection, and precise billing. Additionally, the rising government regulation, smart city programs, and increasing consumer demand for sustainable energy utilization and

transparency are further driving the growth of the market. However, the basic AMI gas meter market is growing steadily due to its simplicity, affordability, and large demand in developing economies.

Based on the end-use category, the market is categorized into residential, commercial, and industrial. Among these, the residential segment holds the largest market. Urban and suburban households utilize these meters due to the increasing demand for accurate billing, energy management, smart monitoring of gas utilization, and operational cost. However, the industrial segment is showing the fastest growth as industries consume a large volume of gas and need an accurate monitoring system for managing their operational cost, improving safety, and detecting gas leaks.

For a better understanding of the demand of AMI gas meter, the market is analyzed based on its worldwide adoption in countries such as North America (U.S., Canada, and the Rest of North America), Europe (Germany, U.K., France, Spain, Italy, Rest of Europe), Asia-Pacific (China, Japan, India, and the Rest of Asia-Pacific), and Rest of World. Among these, North America has been the market leader due to its well-established infrastructure, early adoption of smart utility networks, and strong regulatory support for energy efficiency and smart metering initiatives. The Asia Pacific region is, however, likely to be growing the fastest over the next years due to rapid urbanization, increasing gas consumption, and growing investments in smart metering, along with increased focus on improved energy efficiency.

Some major players running in the market include Apator S.A., Landis+Gyr Group AG, Honeywell International Inc., Pietro Fiorentini S.p.a., Sensus (Xylem), Wasion Holdings International, Diehl Stiftung & Co. KG, EDMI (Osaki Electric Co., Ltd), Itron Inc., and Aclara (Hubble).

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