

## **Residential Smart Gas Meter Market Size - By Technology (AMI, AMR), Regional Outlook, Competitive Market Share & Forecast, 2024 - 2032**

Market Report | 2024-04-17 | 350 pages | Global Market Insights

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### **Report description:**

Global Residential Smart Gas Meter Market will witness 17.3% CAGR between 2024 and 2032 due to increasing infrastructure and capital investment. Smart gas meters, which provide real-time monitoring and efficiency of gas consumption, are increasingly being adopted as part of global efforts to increase energy efficiency and reduce costs and are executing major projects aimed at replacing traditional meters with smart meters.

For instance, in August 2023, Bangladesh released prepaid gas meter projects aimed at tackling gas losses and leaks in Bangladesh's gas transmission and distribution. The \$300 million World Bank-backed project installed prepaid gas meters in the western parts of the capital Dhaka, and Rajshahi. The project aimed to determine the efficiency of smart meters in the efficient monitoring and control of industrial gas consumption.

Modernization of systems and compliance with stringent environmental regulations further process growth. Significant public and private capital is pouring into these schemes. For example, European countries are leading the way with ambitious smart metering programs backed by strong regulatory frameworks and adequate funding.

Similar trends are emerging in North America and Asia Pacific, with urbanization and technological advancements driving the demand for smart metering solutions. These investments not only drive market growth but also encourage technological innovation, resulting in more advanced and easier-to-use smart meters. As a result, residential gas metering is set to continue to expand, driven by increasing infrastructure installations and better investments.

The overall Residential Smart Gas Meter Industry is classified based on the technology and region.

The AMR segment will undergo rigorous development from 2024 to 2032. AMR enables remote and real-time data collection, providing increased accuracy and efficiency in gas consumption management. This technology eliminates the need for manual

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meter readings, reducing labor costs and human error. Utilities benefit from improved billing accuracy and early detection of gas leaks or discrepancies. Customers gain better insight into their gas consumption, encouraging energy conservation and reducing costs. As more communities invest in smart grid infrastructure, the integration of AMR technology into residential smart gas meters will continue to drive the market, providing a more modern and efficient energy management system.

North America residential smart gas meter market will showcase a commendable CAGR from 2024 to 2032. The push for smart grid infrastructure, in line with stricter regulations, has led to increased adoption of smart gas meters. These meters provide real-time data and help customers manage and reduce their gas usage, resulting in cost savings and environmental benefits. Utilities benefit from improved operational efficiencies, accurate payments, and enhanced flows.

In addition, substantial government and private sector investments are providing rapid deployment of smart gas meters across the region, resulting in market growth and state-of-the-art energy infrastructure. For instance, in January 2022, measurement Canada, an agency dedicated to promoting innovation, science, and economic development, certified the Itron Intellis Residential Smart Gas Meter for nationwide use across Canada.

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