

**Asia-Pacific Gas Meter Market By Type (Mechanical Gas Meters, Smart Gas Meters, Ultrasonic Gas Meters, Diaphragm Gas Meters, Rotary Gas Meters, Others), By Technology (Traditional Gas Metering, Advanced Metering Infrastructure (AMI), Remote Gas Metering), By End-Use Industry (Oil and Gas, Power Generation, Residential and Commercial Buildings, Industrial Applications), By Country, Competition, Forecast and Opportunities, 2020-2030F**

Market Report | 2025-04-30 | 132 pages | TechSci Research

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**Report description:**

Market Overview

The Asia-Pacific Gas Meter Market was valued at USD 1.67 billion in 2024 and is projected to reach USD 2.35 billion by 2030, growing at a CAGR of 5.71% during the forecast period. This market covers the manufacturing, deployment, and usage of gas meters designed to track gas consumption across residential, commercial, and industrial segments. These devices are vital for accurate billing, energy management, and leak detection. The market comprises various types of meters-such as diaphragm, rotary, turbine, and smart meters-each suited to specific operational and pressure requirements. With a regional shift toward energy efficiency and environmental accountability, gas meters play a key role in promoting sustainable energy practices and enhancing transparency for utility providers. Accelerated urbanization, the expansion of natural gas infrastructure, and growing demand for cleaner energy sources like natural gas are key growth drivers. Governmental efforts across China, India, and Southeast Asia to replace coal and oil with gas are driving demand for modern metering systems. Additionally, the region is witnessing a surge in smart meter adoption, which enables real-time monitoring, remote access, and predictive maintenance, especially in technologically advanced countries like Japan and South Korea, while emerging economies are ramping up investments to modernize energy networks.

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## Key Market Drivers

### Rapid Urbanization and Infrastructure Development

Rapid urbanization across the Asia-Pacific region is fueling demand for efficient and scalable natural gas infrastructure. As cities grow and populations rise, the construction of residential high-rises, commercial spaces, and smart townships is increasing, driving the need for reliable gas metering solutions. Countries such as China and India are spearheading this movement, investing heavily in energy modernization initiatives and expanding pipeline networks. In these urbanized environments, gas meters enable accurate billing, efficient energy usage, and real-time consumption tracking. The widespread deployment of smart gas meters—capable of handling higher loads and offering digital insights—supports sustainable energy management. These meters are critical in ensuring optimal resource allocation and meeting rising energy demands. For instance, China's gas consumption is forecast to exceed 600 billion cubic meters by 2040, up from 400 billion in 2024, reflecting the impact of infrastructure development and coal-to-gas energy transition policies.

## Key Market Challenges

### High Initial Investment Costs and Capital Expenditure

A significant challenge for the Asia-Pacific gas meter market is the high upfront investment required for transitioning to advanced gas metering systems. While conventional mechanical meters are more affordable, smart meters integrated with IoT capabilities involve substantial costs for installation, infrastructure upgrades, and system integration. These expenses are often prohibitive for developing nations like India and Indonesia, where gas distribution networks are still evolving. Additionally, beyond the device costs, utilities must invest in workforce training, system maintenance, and backend integration, which further increases financial pressure. Although smart meters promise long-term benefits such as operational efficiency and improved customer service, the initial capital outlay remains a deterrent. The ability of stakeholders to secure funding and prioritize smart metering investments will play a crucial role in overcoming this challenge and enabling widespread modernization of the energy infrastructure.

## Key Market Trends

### Increasing Adoption of Smart Gas Meters

The adoption of smart gas meters is emerging as a significant trend across the Asia-Pacific region, driven by advancements in digital technology and the need for improved energy monitoring. These meters offer real-time tracking, remote data access, and automated alerts, enabling more accurate billing and quicker response to issues such as gas leaks. They also provide consumers with insights into their energy usage, promoting energy conservation and cost efficiency. Early adopters such as Japan, South Korea, and Australia are leading the way in implementation, bolstered by government support and strategic initiatives. For instance, Japan's Ministry of Economy, Trade, and Industry has laid out a detailed roadmap to scale smart meter deployment nationwide. In developing markets like India and Indonesia, increased investments in smart infrastructure are helping accelerate the shift. As demand for digital, efficient energy management tools grows, the penetration of smart gas meters is expected to rise sharply by 2025 across both residential and commercial sectors.

## Key Market Players

- UltraTech Cement Ltd.
- JSW Cement Ltd.
- Navrattan Green Cement Industries Pvt Ltd
- ACC Ltd
- Anhui Conch Cement Co Ltd
- China National Building Material Co Ltd.
- Holcim Ltd.
- HEIDELBERGCEMENT AG

## Report Scope:

In this report, the Asia-Pacific Gas Meter Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Asia-Pacific Gas Meter Market, By Type:
  - o Mechanical Gas Meters
  - o Smart Gas Meters

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- o Ultrasonic Gas Meters
- o Diaphragm Gas Meters
- o Rotary Gas Meters
- o Others
- Asia-Pacific Gas Meter Market, By Technology:
  - o Traditional Gas Metering
  - o Advanced Metering Infrastructure (AMI)
  - o Remote Gas Metering
- Asia-Pacific Gas Meter Market, By End-Use Industry:
  - o Oil and Gas
  - o Power Generation
  - o Residential and Commercial Buildings
  - o Industrial Applications
- Asia-Pacific Gas Meter Market, By Country:
  - o China
  - o Japan
  - o India
  - o South Korea
  - o Australia
  - o Singapore
  - o Thailand
  - o Malaysia
  - o Rest of Asia-Pacific

#### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Asia-Pacific Gas Meter Market.

#### Available Customizations:

Asia-Pacific Gas Meter Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

#### Company Information

- Detailed analysis and profiling of additional market players (up to five).

### Table of Contents:

1. Product Overview
  - 1.1. Market Definition
  - 1.2. Scope of the Market
    - 1.2.1. Markets Covered
    - 1.2.2. Years Considered for Study
  - 1.3. Key Market Segmentations
2. Research Methodology
  - 2.1. Objective of the Study
  - 2.2. Baseline Methodology
  - 2.3. Formulation of the Scope
  - 2.4. Assumptions and Limitations
  - 2.5. Sources of Research
    - 2.5.1. Secondary Research
    - 2.5.2. Primary Research

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- 2.6. Approach for the Market Study
  - 2.6.1. The Bottom-Up Approach
  - 2.6.2. The Top-Down Approach
- 2.7. Methodology Followed for Calculation of Market Size & Market Shares
- 2.8. Forecasting Methodology
  - 2.8.1. Data Triangulation & Validation
- 3. Executive Summary
  - 3.1. Overview of the Market
  - 3.2. Overview of Key Market Segmentations
  - 3.3. Overview of Key Market Players
  - 3.4. Overview of Key Regions/Countries
  - 3.5. Overview of Market Drivers, Challenges, and Trends
- 4. Voice of Customer
- 5. Asia-Pacific Gas Meter Market Outlook
  - 5.1. Market Size & Forecast
    - 5.1.1. By Value
  - 5.2. Market Share & Forecast
    - 5.2.1. By Type (Mechanical Gas Meters, Smart Gas Meters, Ultrasonic Gas Meters, Diaphragm Gas Meters, Rotary Gas Meters, Others),
    - 5.2.2. By Technology (Traditional Gas Metering, Advanced Metering Infrastructure (AMI), Remote Gas Metering)
    - 5.2.3. By End-Use Industry (Oil and Gas, Power Generation, Residential and Commercial Buildings, Industrial Applications)
    - 5.2.4. By Country (China, Japan, India, South Korea, Australia, Singapore, Thailand, Malaysia, Rest of Asia-Pacific)
    - 5.2.5. By Company (2024)
  - 5.3. Market Map
- 6. China Gas Meter Market Outlook
  - 6.1. Market Size & Forecast
    - 6.1.1. By Value
  - 6.2. Market Share & Forecast
    - 6.2.1. By Type
    - 6.2.2. By Technology
    - 6.2.3. By End-Use Industry
- 7. Japan Gas Meter Market Outlook
  - 7.1. Market Size & Forecast
    - 7.1.1. By Value
  - 7.2. Market Share & Forecast
    - 7.2.1. By Type
    - 7.2.2. By Technology
    - 7.2.3. By End-Use Industry
- 8. India Gas Meter Market Outlook
  - 8.1. Market Size & Forecast
    - 8.1.1. By Value
  - 8.2. Market Share & Forecast
    - 8.2.1. By Type
    - 8.2.2. By Technology
    - 8.2.3. By End-Use Industry
- 9. South Korea Gas Meter Market Outlook
  - 9.1. Market Size & Forecast

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- 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Type
  - 9.2.2. By Technology
  - 9.2.3. By End-Use Industry
- 10. Australia Gas Meter Market Outlook
  - 10.1. Market Size & Forecast
    - 10.1.1. By Value
  - 10.2. Market Share & Forecast
    - 10.2.1. By Type
    - 10.2.2. By Technology
    - 10.2.3. By End-Use Industry
- 11. Singapore Gas Meter Market Outlook
  - 11.1. Market Size & Forecast
    - 11.1.1. By Value
  - 11.2. Market Share & Forecast
    - 11.2.1. By Type
    - 11.2.2. By Technology
    - 11.2.3. By End-Use Industry
- 12. Thailand Gas Meter Market Outlook
  - 12.1. Market Size & Forecast
    - 12.1.1. By Value
  - 12.2. Market Share & Forecast
    - 12.2.1. By Type
    - 12.2.2. By Technology
    - 12.2.3. By End-Use Industry
- 13. Malaysia Gas Meter Market Outlook
  - 13.1. Market Size & Forecast
    - 13.1.1. By Value
  - 13.2. Market Share & Forecast
    - 13.2.1. By Type
    - 13.2.2. By Technology
    - 13.2.3. By End-Use Industry
- 14. Market Dynamics
  - 14.1. Drivers
  - 14.2. Challenges
- 15. Market Trends & Developments
  - 15.1. Merger & Acquisition (If Any)
  - 15.2. Product Launches (If Any)
  - 15.3. Recent Developments
- 16. Company Profiles
  - 16.1. UltraTech Cement Ltd.
    - 16.1.1. Business Overview
    - 16.1.2. Key Revenue and Financials
    - 16.1.3. Recent Developments
    - 16.1.4. Key Personnel/Key Contact Person
    - 16.1.5. Key Product/Services Offered

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- 16.2. JSW Cement Ltd.
- 16.3. Navrattan Green Cement Industries Pvt Ltd
- 16.4. ACC Ltd
- 16.5. Anhui Conch Cement Co Ltd
- 16.6. China National Building Material Co Ltd.
- 16.7. Holcim Ltd.
- 16.8. HEIDELBERGCEMENT AG
- 17. Strategic Recommendations
- 18. About Us & Disclaimer

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