

Global High Precision Electric Energy Meter Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global High Precision Electric Energy Meter market size is expected to reach \$ 177 million by 2032, rising at a market growth of 6.0% CAGR during the forecast period (2026-2032).

In 2025, the global production of high-precision energy meters reached 96,025 units, with an average selling price of US\$1,200 per unit. The global annual production capacity of high-precision energy meters was approximately 135,000 units, with a gross profit margin of approximately 22.3%. A high-precision energy meter is an instrument used to measure electrical energy consumption. Its measurement accuracy is higher than that of standard energy meters, enabling more accurate recording of energy usage. It is typically used in situations requiring precise monitoring of energy consumption, such as industrial enterprises, data centers, and large commercial buildings. The upstream of high-precision energy meters includes current transformers, shunts, and high-precision analog front-ends. The midstream consists of high-precision energy meter manufacturers, and the downstream applications are mainly in commercial, industrial, and residential sectors.

High-precision energy meters are currently in a phase of steady growth and technological iteration. On the one hand, driven by the demands of grid metering upgrades, distributed energy access (time-of-use metering, demand management), and refined energy use in industrial parks, end-user requirements for metering accuracy, consistency, and anti-interference capabilities are continuously increasing. On the other hand, market competition is gradually shifting from 'whether accuracy can be met' to a comprehensive capability of 'high precision + high reliability + traceability.' Companies are generally accelerating their investment in sampling accuracy, temperature drift compensation, algorithms and calibration systems, communication (such as

RS485/4G/NB-IoT/power private network), and network security capabilities. Overall, the domestic market, driven by policies and renovation projects, exhibits a coexistence of bulk bidding and customization, while overseas markets tend to favor high-end certifications and specific application scenarios. Price competition remains, but the profit margins in high-end segments are relatively more stable.

This report studies the global High Precision Electric Energy Meter production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Precision Electric Energy Meter and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Precision Electric Energy Meter that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Precision Electric Energy Meter total production and demand, 2021-2032, (K Units)

Global High Precision Electric Energy Meter total production value, 2021-2032, (USD Million)

Global High Precision Electric Energy Meter production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global High Precision Electric Energy Meter consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: High Precision Electric Energy Meter domestic production, consumption, key domestic manufacturers and share

Global High Precision Electric Energy Meter production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global High Precision Electric Energy Meter production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global High Precision Electric Energy Meter production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global High Precision Electric Energy Meter market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include EDM I Meters, LEM sensors, Delixi, PeakTech, Hioki, YTL metering, TUNKIA, Accuenergy, Hangzhi Precision, Acrel, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Precision Electric Energy Meter market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global High Precision Electric Energy Meter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Precision Electric Energy Meter Market, Segmentation by Type:

0.2S Level

0.5S Level

Others

Global High Precision Electric Energy Meter Market, Segmentation by Working Principle:

Electronic Type

Induction Type

Global High Precision Electric Energy Meter Market, Segmentation by Measured Current:

AC Energy Meter

DC Energy Meter

Global High Precision Electric Energy Meter Market, Segmentation by Application:

Industrial Use

Commercial Use

Household Use

Companies Profiled:

EDMI Meters

LEM sensors

Delixi

PeakTech

Hioki

YTL metering

TUNKIA

Accuenergy

Hangzhi Precision

Acrel

Realin

SUNHOPE

SHENZHEN CLOU PRECISION INSTRUMENT

Lovato Electric

Schneider Electric

Landis+Gyr

SUNTRONT

Key Questions Answered:

1. How big is the global High Precision Electric Energy Meter market?
2. What is the demand of the global High Precision Electric Energy Meter market?
3. What is the year over year growth of the global High Precision Electric Energy Meter market?
4. What is the production and production value of the global High Precision Electric Energy Meter market?
5. Who are the key producers in the global High Precision Electric Energy Meter market?
6. What are the growth factors driving the market demand?

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