

Global Direct Current Meter Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Direct Current Meter market size was valued at US\$ 686 million in 2025 and is forecast to a readjusted size of US\$ 1171 million by 2032 with a CAGR of 7.9% during review period.

Direct Current Meter is an electrical measuring device used to measure the magnitude of direct current (DC) in a circuit. It is commonly used in electrical and electronic systems where DC power is used, such as batteries, solar panels, DC power supplies, and electric vehicles.

2025, global Direct Current Meter sales volume reached 3.85

million units, with average price of 173 US\$ per unit.

Direct current meters are moving from niche industrial products to mainstream energy infrastructure components. Demand is being driven by EV fast charging, solar PV, battery energy storage, data centers, microgrids, and other DC power systems, where measuring only the AC side is no longer enough for accurate energy management. Analog Devices identifies EV charging stations, renewable generation, server farms, microgrids, and peer-to-peer energy sharing as key DC metering application areas.

Smart and connected DC meters are becoming the market standard. Customers increasingly require communication interfaces, remote monitoring, data logging, diagnostics, cybersecurity support, and integration with energy-management platforms. This is especially important in charging stations, distributed solar-storage systems, and data centers, where operators need real-time visibility into power flow, equipment

efficiency, load balancing, and billing data.

Legal metrology and billing certification are becoming more important. As DC meters are increasingly used for paid EV charging and commercial energy transactions, accuracy, traceability, anti-tampering design, calibration, and certification are becoming key purchasing factors. OIML notes that DC energy metering is becoming more relevant for legal metrology, especially in EV charging, and that regulatory frameworks and product standards are evolving.

This report is a detailed and comprehensive analysis for global Direct Current Meter market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Direct Current Meter market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Direct Current Meter market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Direct Current Meter market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Direct Current Meter market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Direct Current Meter

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Direct Current Meter market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Accuenergy, LEM, DZG Metering, Phoenix Contact, Isabellenhutte, Eaton, ICD, ACREL, Carlo Gavazzi, Ziegler, etc.

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

Market Segmentation

Direct Current Meter market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Under 100 kW

100?200 kW

Above 200 kW

Market segment by Installation Method

Integrated DC Meter

External DC Meter

Market segment by Accuracy Class

Class 0.2

Class 0.5

Class 1.0

Market segment by Application

EV Chargers

Data Centers

Photovoltaic

Power & Grid

Others

Major players covered

Accuenergy

LEM

DZG Metering

Phoenix Contact

Isabellenhutte

Eaton

ICD

ACREL

Carlo Gavazzi

Ziegler

Ivy Metering

SATEC

AST International

Eastron Electronic

Zhejiang Yongtailong Electronic

Zhuhai Pilot Technology

Chengdu Hop Technology

Linyang Energy

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Direct Current Meter product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Direct Current Meter, with price, sales quantity, revenue, and global market share of Direct Current Meter from 2021 to 2026.

Chapter 3, the Direct Current Meter competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Direct Current Meter breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Direct Current Meter market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Direct Current Meter.

Chapter 14 and 15, to describe Direct Current Meter sales channel, distributors, customers, research findings and conclusion.

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