

Global EV Amp Gauges 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 EV Amp Gauges market size was valued at US\$ 1235 million in 2025 and is forecast to a readjusted size of US\$ 2081 million by 2032 with a CAGR of 7.7% during review period.

In 2025, global EV Amp Gauge output reached about 80 million units and global capacity of around 100 million units. The average price is about USD 15 per unit, with gross margins near 35%. EV Amp Gauges are electronic current-monitoring instruments used in electric vehicles (EVs) to measure, display, and manage the flow of electrical current within battery systems, charging circuits, power distribution units, inverters, DC-DC converters, and auxiliary electrical subsystems. These gauges provide real-time ampere readings to support battery management, energy efficiency optimization, fault diagnosis, overload protection, and vehicle performance monitoring. Modern EV amp gauges typically integrate current sensors such as Hall-effect sensors, shunt resistors, magnetic current transducers, or smart power-monitoring ICs with digital displays, CAN bus communication modules, and embedded control software. The supply chain of EV Amp Gauges begins upstream with semiconductor materials, copper alloys, magnetic cores, PCB substrates, display panels, and sensing components supplied by electronics and sensor manufacturers. Midstream activities involve the design and manufacturing of current sensors, gauge modules, display systems, embedded firmware, and automotive-grade electronic assemblies by automotive electronics companies and instrumentation suppliers. Downstream, EV amp gauges are integrated into battery electric vehicles (BEVs), plug-in hybrid electric vehicles (PHEVs), commercial EV fleets, electric buses, charging infrastructure equipment, energy storage systems, and aftermarket vehicle monitoring solutions by automotive OEMs, EV system integrators, and charging equipment manufacturers.

This report is a detailed and comprehensive analysis for global EV Amp Gauges 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 EV Amp Gauges market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global EV Amp Gauges 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 EV Amp Gauges 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 EV Amp Gauges 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 EV Amp Gauges

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 EV Amp Gauges 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 LEM Holding, Allegro MicroSystems, Infineon Technologies, Texas Instruments, Honeywell, TDK Corporation, STMicroelectronics, onsemi, NXP Semiconductors, Analog Devices, etc.

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

Market Segmentation

EV Amp Gauges 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

Hall-Effect EV Amp Gauges

Shunt-Based EV Amp Gauges

Fluxgate EV Amp Gauges

Others

Market segment by Measurement Range

600 A

Market segment by Application

Battery Electric Vehicles (BEVs)

Plug-in Hybrid Electric Vehicles (PHEVs)

Hybrid Electric Vehicles (HEVs)

Major players covered

LEM Holding

Allegro MicroSystems

Infineon Technologies

Texas Instruments

Honeywell

TDK Corporation

STMicroelectronics

onsemi

NXP Semiconductors

Analog Devices

ROHM Semiconductor

Tamura

ABB Group

Eaton

Mitsubishi Electric

Hangzhi Precision

Socan Technologies

Acrel Electric

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 EV Amp Gauges product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of EV Amp Gauges, with price, sales quantity, revenue, and global market share of EV Amp Gauges from 2021 to 2026.

Chapter 3, the EV Amp Gauges competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the EV Amp Gauges 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 EV Amp Gauges 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 EV Amp Gauges.

Chapter 14 and 15, to describe EV Amp Gauges sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global EV Amp Gauges Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Hall-Effect EV Amp Gauges

1.3.3 Shunt-Based EV Amp Gauges

1.3.4 Fluxgate EV Amp Gauges

1.3.5 Others

1.4 Market Analysis by Measurement Range

1.4.1 Overview: Global EV Amp Gauges Consumption Value by Measurement Range: 2021 Versus 2025 Versus 2032

1.4.2 600 A

1.5 Market Analysis by Application

1.5.1 Overview: Global EV Amp Gauges Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.5.2 Battery Electric Vehicles (BEVs)

1.5.3 Plug-in Hybrid Electric Vehicles (PHEVs)

1.5.4 Hybrid Electric Vehicles (HEVs)

1.6 Global EV Amp Gauges Market Size & Forecast

1.6.1 Global EV Amp Gauges Consumption Value (2021 & 2025 & 2032)

1.6.2 Global EV Amp Gauges Sales Quantity (2021-2032)

1.6.3 Global EV Amp Gauges Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 LEM Holding

2.1.1 LEM Holding Details

2.1.2 LEM Holding Major Business

2.1.3 LEM Holding EV Amp Gauges Product and Services

2.1.4 LEM Holding EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 LEM Holding Recent Developments/Updates

2.2 Allegro MicroSystems

2.2.1 Allegro MicroSystems Details

- 2.2.2 Allegro MicroSystems Major Business
- 2.2.3 Allegro MicroSystems EV Amp Gauges Product and Services
- 2.2.4 Allegro MicroSystems EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.2.5 Allegro MicroSystems Recent Developments/Updates
- 2.3 Infineon Technologies
 - 2.3.1 Infineon Technologies Details
 - 2.3.2 Infineon Technologies Major Business
 - 2.3.3 Infineon Technologies EV Amp Gauges Product and Services
 - 2.3.4 Infineon Technologies EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 Infineon Technologies Recent Developments/Updates
- 2.4 Texas Instruments
 - 2.4.1 Texas Instruments Details
 - 2.4.2 Texas Instruments Major Business
 - 2.4.3 Texas Instruments EV Amp Gauges Product and Services
 - 2.4.4 Texas Instruments EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Texas Instruments Recent Developments/Updates
- 2.5 Honeywell
 - 2.5.1 Honeywell Details
 - 2.5.2 Honeywell Major Business
 - 2.5.3 Honeywell EV Amp Gauges Product and Services
 - 2.5.4 Honeywell EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 Honeywell Recent Developments/Updates
- 2.6 TDK Corporation
 - 2.6.1 TDK Corporation Details
 - 2.6.2 TDK Corporation Major Business
 - 2.6.3 TDK Corporation EV Amp Gauges Product and Services
 - 2.6.4 TDK Corporation EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.6.5 TDK Corporation Recent Developments/Updates
- 2.7 STMicroelectronics
 - 2.7.1 STMicroelectronics Details
 - 2.7.2 STMicroelectronics Major Business
 - 2.7.3 STMicroelectronics EV Amp Gauges Product and Services
 - 2.7.4 STMicroelectronics EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 STMicroelectronics Recent Developments/Updates

2.8 onsemi

2.8.1 onsemi Details

2.8.2 onsemi Major Business

2.8.3 onsemi EV Amp Gauges Product and Services

2.8.4 onsemi EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 onsemi Recent Developments/Updates

2.9 NXP Semiconductors

2.9.1 NXP Semiconductors Details

2.9.2 NXP Semiconductors Major Business

2.9.3 NXP Semiconductors EV Amp Gauges Product and Services

2.9.4 NXP Semiconductors EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 NXP Semiconductors Recent Developments/Updates

2.10 Analog Devices

2.10.1 Analog Devices Details

2.10.2 Analog Devices Major Business

2.10.3 Analog Devices EV Amp Gauges Product and Services

2.10.4 Analog Devices EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Analog Devices Recent Developments/Updates

2.11 ROHM Semiconductor

2.11.1 ROHM Semiconductor Details

2.11.2 ROHM Semiconductor Major Business

2.11.3 ROHM Semiconductor EV Amp Gauges Product and Services

2.11.4 ROHM Semiconductor EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 ROHM Semiconductor Recent Developments/Updates

2.12 Tamura

2.12.1 Tamura Details

2.12.2 Tamura Major Business

2.12.3 Tamura EV Amp Gauges Product and Services

2.12.4 Tamura EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Tamura Recent Developments/Updates

2.13 ABB Group

2.13.1 ABB Group Details

2.13.2 ABB Group Major Business

- 2.13.3 ABB Group EV Amp Gauges Product and Services
- 2.13.4 ABB Group EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.13.5 ABB Group Recent Developments/Updates
- 2.14 Eaton
 - 2.14.1 Eaton Details
 - 2.14.2 Eaton Major Business
 - 2.14.3 Eaton EV Amp Gauges Product and Services
 - 2.14.4 Eaton EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.14.5 Eaton Recent Developments/Updates
- 2.15 Mitsubishi Electric
 - 2.15.1 Mitsubishi Electric Details
 - 2.15.2 Mitsubishi Electric Major Business
 - 2.15.3 Mitsubishi Electric EV Amp Gauges Product and Services
 - 2.15.4 Mitsubishi Electric EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.15.5 Mitsubishi Electric Recent Developments/Updates
- 2.16 Hangzhi Precision
 - 2.16.1 Hangzhi Precision Details
 - 2.16.2 Hangzhi Precision Major Business
 - 2.16.3 Hangzhi Precision EV Amp Gauges Product and Services
 - 2.16.4 Hangzhi Precision EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.16.5 Hangzhi Precision Recent Developments/Updates
- 2.17 Socan Technologies
 - 2.17.1 Socan Technologies Details
 - 2.17.2 Socan Technologies Major Business
 - 2.17.3 Socan Technologies EV Amp Gauges Product and Services
 - 2.17.4 Socan Technologies EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.17.5 Socan Technologies Recent Developments/Updates
- 2.18 Acrel Electric
 - 2.18.1 Acrel Electric Details
 - 2.18.2 Acrel Electric Major Business
 - 2.18.3 Acrel Electric EV Amp Gauges Product and Services
 - 2.18.4 Acrel Electric EV Amp Gauges Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.18.5 Acrel Electric Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: EV AMP GAUGES BY MANUFACTURER

- 3.1 Global EV Amp Gauges Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global EV Amp Gauges Revenue by Manufacturer (2021-2026)
- 3.3 Global EV Amp Gauges Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of EV Amp Gauges by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 EV Amp Gauges Manufacturer Market Share in 2025
 - 3.4.3 Top 6 EV Amp Gauges Manufacturer Market Share in 2025
- 3.5 EV Amp Gauges Market: Overall Company Footprint Analysis
 - 3.5.1 EV Amp Gauges Market: Region Footprint
 - 3.5.2 EV Amp Gauges Market: Company Product Type Footprint
 - 3.5.3 EV Amp Gauges Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global EV Amp Gauges Market Size by Region
 - 4.1.1 Global EV Amp Gauges Sales Quantity by Region (2021-2032)
 - 4.1.2 Global EV Amp Gauges Consumption Value by Region (2021-2032)
 - 4.1.3 Global EV Amp Gauges Average Price by Region (2021-2032)
- 4.2 North America EV Amp Gauges Consumption Value (2021-2032)
- 4.3 Europe EV Amp Gauges Consumption Value (2021-2032)
- 4.4 Asia-Pacific EV Amp Gauges Consumption Value (2021-2032)
- 4.5 South America EV Amp Gauges Consumption Value (2021-2032)
- 4.6 Middle East & Africa EV Amp Gauges Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global EV Amp Gauges Sales Quantity by Type (2021-2032)
- 5.2 Global EV Amp Gauges Consumption Value by Type (2021-2032)
- 5.3 Global EV Amp Gauges Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global EV Amp Gauges Sales Quantity by Application (2021-2032)

6.2 Global EV Amp Gauges Consumption Value by Application (2021-2032)

6.3 Global EV Amp Gauges Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America EV Amp Gauges Sales Quantity by Type (2021-2032)

7.2 North America EV Amp Gauges Sales Quantity by Application (2021-2032)

7.3 North America EV Amp Gauges Market Size by Country

7.3.1 North America EV Amp Gauges Sales Quantity by Country (2021-2032)

7.3.2 North America EV Amp Gauges Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe EV Amp Gauges Sales Quantity by Type (2021-2032)

8.2 Europe EV Amp Gauges Sales Quantity by Application (2021-2032)

8.3 Europe EV Amp Gauges Market Size by Country

8.3.1 Europe EV Amp Gauges Sales Quantity by Country (2021-2032)

8.3.2 Europe EV Amp Gauges Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific EV Amp Gauges Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific EV Amp Gauges Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific EV Amp Gauges Market Size by Region

9.3.1 Asia-Pacific EV Amp Gauges Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific EV Amp Gauges Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America EV Amp Gauges Sales Quantity by Type (2021-2032)

10.2 South America EV Amp Gauges Sales Quantity by Application (2021-2032)

10.3 South America EV Amp Gauges Market Size by Country

10.3.1 South America EV Amp Gauges Sales Quantity by Country (2021-2032)

10.3.2 South America EV Amp Gauges Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa EV Amp Gauges Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa EV Amp Gauges Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa EV Amp Gauges Market Size by Country

11.3.1 Middle East & Africa EV Amp Gauges Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa EV Amp Gauges Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 EV Amp Gauges Market Drivers

12.2 EV Amp Gauges Market Restraints

12.3 EV Amp Gauges Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of EV Amp Gauges and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of EV Amp Gauges
- 13.3 EV Amp Gauges Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 EV Amp Gauges Typical Distributors
- 14.3 EV Amp Gauges Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global EV Amp Gauges Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global EV Amp Gauges Consumption Value by Measurement Range, (USD Million), 2021 & 2025 & 2032

Table 3. Global EV Amp Gauges Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. LEM Holding Basic Information, Manufacturing Base and Competitors

Table 5. LEM Holding Major Business

Table 6. LEM Holding EV Amp Gauges Product and Services

Table 7. LEM Holding EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. LEM Holding Recent Developments/Updates

Table 9. Allegro MicroSystems Basic Information, Manufacturing Base and Competitors

Table 10. Allegro MicroSystems Major Business

Table 11. Allegro MicroSystems EV Amp Gauges Product and Services

Table 12. Allegro MicroSystems EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. Allegro MicroSystems Recent Developments/Updates

Table 14. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 15. Infineon Technologies Major Business

Table 16. Infineon Technologies EV Amp Gauges Product and Services

Table 17. Infineon Technologies EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. Infineon Technologies Recent Developments/Updates

Table 19. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 20. Texas Instruments Major Business

Table 21. Texas Instruments EV Amp Gauges Product and Services

Table 22. Texas Instruments EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 23. Texas Instruments Recent Developments/Updates

Table 24. Honeywell Basic Information, Manufacturing Base and Competitors

Table 25. Honeywell Major Business

Table 26. Honeywell EV Amp Gauges Product and Services

Table 27. Honeywell EV Amp Gauges Sales Quantity (K Units), Average Price

(US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 28. Honeywell Recent Developments/Updates

Table 29. TDK Corporation Basic Information, Manufacturing Base and Competitors

Table 30. TDK Corporation Major Business

Table 31. TDK Corporation EV Amp Gauges Product and Services

Table 32. TDK Corporation EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 33. TDK Corporation Recent Developments/Updates

Table 34. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 35. STMicroelectronics Major Business

Table 36. STMicroelectronics EV Amp Gauges Product and Services

Table 37. STMicroelectronics EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 38. STMicroelectronics Recent Developments/Updates

Table 39. onsemi Basic Information, Manufacturing Base and Competitors

Table 40. onsemi Major Business

Table 41. onsemi EV Amp Gauges Product and Services

Table 42. onsemi EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 43. onsemi Recent Developments/Updates

Table 44. NXP Semiconductors Basic Information, Manufacturing Base and Competitors

Table 45. NXP Semiconductors Major Business

Table 46. NXP Semiconductors EV Amp Gauges Product and Services

Table 47. NXP Semiconductors EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 48. NXP Semiconductors Recent Developments/Updates

Table 49. Analog Devices Basic Information, Manufacturing Base and Competitors

Table 50. Analog Devices Major Business

Table 51. Analog Devices EV Amp Gauges Product and Services

Table 52. Analog Devices EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 53. Analog Devices Recent Developments/Updates

Table 54. ROHM Semiconductor Basic Information, Manufacturing Base and Competitors

Table 55. ROHM Semiconductor Major Business

Table 56. ROHM Semiconductor EV Amp Gauges Product and Services

Table 57. ROHM Semiconductor EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 58. ROHM Semiconductor Recent Developments/Updates
Table 59. Tamura Basic Information, Manufacturing Base and Competitors
Table 60. Tamura Major Business
Table 61. Tamura EV Amp Gauges Product and Services
Table 62. Tamura EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 63. Tamura Recent Developments/Updates
Table 64. ABB Group Basic Information, Manufacturing Base and Competitors
Table 65. ABB Group Major Business
Table 66. ABB Group EV Amp Gauges Product and Services
Table 67. ABB Group EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 68. ABB Group Recent Developments/Updates
Table 69. Eaton Basic Information, Manufacturing Base and Competitors
Table 70. Eaton Major Business
Table 71. Eaton EV Amp Gauges Product and Services
Table 72. Eaton EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 73. Eaton Recent Developments/Updates
Table 74. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors
Table 75. Mitsubishi Electric Major Business
Table 76. Mitsubishi Electric EV Amp Gauges Product and Services
Table 77. Mitsubishi Electric EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 78. Mitsubishi Electric Recent Developments/Updates
Table 79. Hangzhi Precision Basic Information, Manufacturing Base and Competitors
Table 80. Hangzhi Precision Major Business
Table 81. Hangzhi Precision EV Amp Gauges Product and Services
Table 82. Hangzhi Precision EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 83. Hangzhi Precision Recent Developments/Updates
Table 84. Socan Technologies Basic Information, Manufacturing Base and Competitors
Table 85. Socan Technologies Major Business
Table 86. Socan Technologies EV Amp Gauges Product and Services
Table 87. Socan Technologies EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 88. Socan Technologies Recent Developments/Updates
Table 89. Acrel Electric Basic Information, Manufacturing Base and Competitors
Table 90. Acrel Electric Major Business

Table 91. Acrel Electric EV Amp Gauges Product and Services

Table 92. Acrel Electric EV Amp Gauges Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 93. Acrel Electric Recent Developments/Updates

Table 94. Global EV Amp Gauges Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 95. Global EV Amp Gauges Revenue by Manufacturer (2021-2026) & (USD Million)

Table 96. Global EV Amp Gauges Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 97. Market Position of Manufacturers in EV Amp Gauges, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 98. Head Office and EV Amp Gauges Production Site of Key Manufacturer

Table 99. EV Amp Gauges Market: Company Product Type Footprint

Table 100. EV Amp Gauges Market: Company Product Application Footprint

Table 101. EV Amp Gauges New Market Entrants and Barriers to Market Entry

Table 102. EV Amp Gauges Mergers, Acquisition, Agreements, and Collaborations

Table 103. Global EV Amp Gauges Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 104. Global EV Amp Gauges Sales Quantity by Region (2021-2026) & (K Units)

Table 105. Global EV Amp Gauges Sales Quantity by Region (2027-2032) & (K Units)

Table 106. Global EV Amp Gauges Consumption Value by Region (2021-2026) & (USD Million)

Table 107. Global EV Amp Gauges Consumption Value by Region (2027-2032) & (USD Million)

Table 108. Global EV Amp Gauges Average Price by Region (2021-2026) & (US\$/Unit)

Table 109. Global EV Amp Gauges Average Price by Region (2027-2032) & (US\$/Unit)

Table 110. Global EV Amp Gauges Sales Quantity by Type (2021-2026) & (K Units)

Table 111. Global EV Amp Gauges Sales Quantity by Type (2027-2032) & (K Units)

Table 112. Global EV Amp Gauges Consumption Value by Type (2021-2026) & (USD Million)

Table 113. Global EV Amp Gauges Consumption Value by Type (2027-2032) & (USD Million)

Table 114. Global EV Amp Gauges Average Price by Type (2021-2026) & (US\$/Unit)

Table 115. Global EV Amp Gauges Average Price by Type (2027-2032) & (US\$/Unit)

Table 116. Global EV Amp Gauges Sales Quantity by Application (2021-2026) & (K Units)

Table 117. Global EV Amp Gauges Sales Quantity by Application (2027-2032) & (K Units)

Table 118. Global EV Amp Gauges Consumption Value by Application (2021-2026) & (USD Million)

Table 119. Global EV Amp Gauges Consumption Value by Application (2027-2032) & (USD Million)

Table 120. Global EV Amp Gauges Average Price by Application (2021-2026) & (US\$/Unit)

Table 121. Global EV Amp Gauges Average Price by Application (2027-2032) & (US\$/Unit)

Table 122. North America EV Amp Gauges Sales Quantity by Type (2021-2026) & (K Units)

Table 123. North America EV Amp Gauges Sales Quantity by Type (2027-2032) & (K Units)

Table 124. North America EV Amp Gauges Sales Quantity by Application (2021-2026) & (K Units)

Table 125. North America EV Amp Gauges Sales Quantity by Application (2027-2032) & (K Units)

Table 126. North America EV Amp Gauges Sales Quantity by Country (2021-2026) & (K Units)

Table 127. North America EV Amp Gauges Sales Quantity by Country (2027-2032) & (K Units)

Table 128. North America EV Amp Gauges Consumption Value by Country (2021-2026) & (USD Million)

Table 129. North America EV Amp Gauges Consumption Value by Country (2027-2032) & (USD Million)

Table 130. Europe EV Amp Gauges Sales Quantity by Type (2021-2026) & (K Units)

Table 131. Europe EV Amp Gauges Sales Quantity by Type (2027-2032) & (K Units)

Table 132. Europe EV Amp Gauges Sales Quantity by Application (2021-2026) & (K Units)

Table 133. Europe EV Amp Gauges Sales Quantity by Application (2027-2032) & (K Units)

Table 134. Europe EV Amp Gauges Sales Quantity by Country (2021-2026) & (K Units)

Table 135. Europe EV Amp Gauges Sales Quantity by Country (2027-2032) & (K Units)

Table 136. Europe EV Amp Gauges Consumption Value by Country (2021-2026) & (USD Million)

Table 137. Europe EV Amp Gauges Consumption Value by Country (2027-2032) & (USD Million)

Table 138. Asia-Pacific EV Amp Gauges Sales Quantity by Type (2021-2026) & (K Units)

Table 139. Asia-Pacific EV Amp Gauges Sales Quantity by Type (2027-2032) & (K Units)

Units)

Table 140. Asia-Pacific EV Amp Gauges Sales Quantity by Application (2021-2026) & (K Units)

Table 141. Asia-Pacific EV Amp Gauges Sales Quantity by Application (2027-2032) & (K Units)

Table 142. Asia-Pacific EV Amp Gauges Sales Quantity by Region (2021-2026) & (K Units)

Table 143. Asia-Pacific EV Amp Gauges Sales Quantity by Region (2027-2032) & (K Units)

Table 144. Asia-Pacific EV Amp Gauges Consumption Value by Region (2021-2026) & (USD Million)

Table 145. Asia-Pacific EV Amp Gauges Consumption Value by Region (2027-2032) & (USD Million)

Table 146. South America EV Amp Gauges Sales Quantity by Type (2021-2026) & (K Units)

Table 147. South America EV Amp Gauges Sales Quantity by Type (2027-2032) & (K Units)

Table 148. South America EV Amp Gauges Sales Quantity by Application (2021-2026) & (K Units)

Table 149. South America EV Amp Gauges Sales Quantity by Application (2027-2032) & (K Units)

Table 150. South America EV Amp Gauges Sales Quantity by Country (2021-2026) & (K Units)

Table 151. South America EV Amp Gauges Sales Quantity by Country (2027-2032) & (K Units)

Table 152. South America EV Amp Gauges Consumption Value by Country (2021-2026) & (USD Million)

Table 153. South America EV Amp Gauges Consumption Value by Country (2027-2032) & (USD Million)

Table 154. Middle East & Africa EV Amp Gauges Sales Quantity by Type (2021-2026) & (K Units)

Table 155. Middle East & Africa EV Amp Gauges Sales Quantity by Type (2027-2032) & (K Units)

Table 156. Middle East & Africa EV Amp Gauges Sales Quantity by Application (2021-2026) & (K Units)

Table 157. Middle East & Africa EV Amp Gauges Sales Quantity by Application (2027-2032) & (K Units)

Table 158. Middle East & Africa EV Amp Gauges Sales Quantity by Country (2021-2026) & (K Units)

Table 159. Middle East & Africa EV Amp Gauges Sales Quantity by Country
(2027-2032) & (K Units)

Table 160. Middle East & Africa EV Amp Gauges Consumption Value by Country
(2021-2026) & (USD Million)

Table 161. Middle East & Africa EV Amp Gauges Consumption Value by Country
(2027-2032) & (USD Million)

Table 162. EV Amp Gauges Raw Material

Table 163. Key Manufacturers of EV Amp Gauges Raw Materials

Table 164. EV Amp Gauges Typical Distributors

Table 165. EV Amp Gauges Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. EV Amp Gauges Picture

Figure 2. Global EV Amp Gauges Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global EV Amp Gauges Revenue Market Share by Type in 2025

Figure 4. Hall-Effect EV Amp Gauges Examples

Figure 5. Shunt-Based EV Amp Gauges Examples

Figure 6. Fluxgate EV Amp Gauges Examples

Figure 7. Others Examples

Figure 8. Global EV Amp Gauges Revenue by Measurement Range, (USD Million), 2021 & 2025 & 2032

Figure 9. Global EV Amp Gauges Revenue Market Share by Measurement Range in 2025

Figure 10. 600 A Examples

Figure 14. Global EV Amp Gauges Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 15. Global EV Amp Gauges Revenue Market Share by Application in 2025

Figure 16. Battery Electric Vehicles (BEVs) Examples

Figure 17. Plug-in Hybrid Electric Vehicles (PHEVs) Examples

Figure 18. Hybrid Electric Vehicles (HEVs) Examples

Figure 19. Global EV Amp Gauges Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 20. Global EV Amp Gauges Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 21. Global EV Amp Gauges Sales Quantity (2021-2032) & (K Units)

Figure 22. Global EV Amp Gauges Price (2021-2032) & (US\$/Unit)

Figure 23. Global EV Amp Gauges Sales Quantity Market Share by Manufacturer in 2025

Figure 24. Global EV Amp Gauges Revenue Market Share by Manufacturer in 2025

Figure 25. Producer Shipments of EV Amp Gauges by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 26. Top 3 EV Amp Gauges Manufacturer (Revenue) Market Share in 2025

Figure 27. Top 6 EV Amp Gauges Manufacturer (Revenue) Market Share in 2025

Figure 28. Global EV Amp Gauges Sales Quantity Market Share by Region (2021-2032)

Figure 29. Global EV Amp Gauges Consumption Value Market Share by Region (2021-2032)

Figure 30. North America EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 31. Europe EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 32. Asia-Pacific EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 33. South America EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 34. Middle East & Africa EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 35. Global EV Amp Gauges Sales Quantity Market Share by Type (2021-2032)

Figure 36. Global EV Amp Gauges Consumption Value Market Share by Type (2021-2032)

Figure 37. Global EV Amp Gauges Average Price by Type (2021-2032) & (US\$/Unit)

Figure 38. Global EV Amp Gauges Sales Quantity Market Share by Application (2021-2032)

Figure 39. Global EV Amp Gauges Revenue Market Share by Application (2021-2032)

Figure 40. Global EV Amp Gauges Average Price by Application (2021-2032) & (US\$/Unit)

Figure 41. North America EV Amp Gauges Sales Quantity Market Share by Type (2021-2032)

Figure 42. North America EV Amp Gauges Sales Quantity Market Share by Application (2021-2032)

Figure 43. North America EV Amp Gauges Sales Quantity Market Share by Country (2021-2032)

Figure 44. North America EV Amp Gauges Consumption Value Market Share by Country (2021-2032)

Figure 45. United States EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 46. Canada EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 47. Mexico EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 48. Europe EV Amp Gauges Sales Quantity Market Share by Type (2021-2032)

Figure 49. Europe EV Amp Gauges Sales Quantity Market Share by Application (2021-2032)

Figure 50. Europe EV Amp Gauges Sales Quantity Market Share by Country (2021-2032)

Figure 51. Europe EV Amp Gauges Consumption Value Market Share by Country (2021-2032)

Figure 52. Germany EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 53. France EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 54. United Kingdom EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 55. Russia EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 56. Italy EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 57. Asia-Pacific EV Amp Gauges Sales Quantity Market Share by Type (2021-2032)

Figure 58. Asia-Pacific EV Amp Gauges Sales Quantity Market Share by Application (2021-2032)

Figure 59. Asia-Pacific EV Amp Gauges Sales Quantity Market Share by Region (2021-2032)

Figure 60. Asia-Pacific EV Amp Gauges Consumption Value Market Share by Region (2021-2032)

Figure 61. China EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 62. Japan EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 63. South Korea EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 64. India EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 65. Southeast Asia EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 66. Australia EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 67. South America EV Amp Gauges Sales Quantity Market Share by Type (2021-2032)

Figure 68. South America EV Amp Gauges Sales Quantity Market Share by Application (2021-2032)

Figure 69. South America EV Amp Gauges Sales Quantity Market Share by Country (2021-2032)

Figure 70. South America EV Amp Gauges Consumption Value Market Share by Country (2021-2032)

Figure 71. Brazil EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 72. Argentina EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 73. Middle East & Africa EV Amp Gauges Sales Quantity Market Share by Type (2021-2032)

Figure 74. Middle East & Africa EV Amp Gauges Sales Quantity Market Share by Application (2021-2032)

Figure 75. Middle East & Africa EV Amp Gauges Sales Quantity Market Share by Country (2021-2032)

Figure 76. Middle East & Africa EV Amp Gauges Consumption Value Market Share by Country (2021-2032)

Figure 77. Turkey EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 78. Egypt EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 79. Saudi Arabia EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 80. South Africa EV Amp Gauges Consumption Value (2021-2032) & (USD Million)

Figure 81. EV Amp Gauges Market Drivers

Figure 82. EV Amp Gauges Market Restraints

Figure 83. EV Amp Gauges Market Trends

Figure 84. Porters Five Forces Analysis

Figure 85. Manufacturing Cost Structure Analysis of EV Amp Gauges in 2025

Figure 86. Manufacturing Process Analysis of EV Amp Gauges

Figure 87. EV Amp Gauges Industrial Chain

Figure 88. Sales Channel: Direct to End-User vs Distributors

Figure 89. Direct Channel Pros & Cons

Figure 90. Indirect Channel Pros & Cons

Figure 91. Methodology

Figure 92. Research Process and Data Source

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