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Global Automotive-grade Integrated Current Sensor Market Growth 2025-2031

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Abstracts

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The global Automotive-grade Integrated Current Sensor market size is predicted to grow from US$ 1015 million in 2025 to US$ 1458 million in 2031; it is expected to grow at a CAGR of 6.2% from 2025 to 2031.

Automotive-grade integrated current sensor is a device that integrates sensing elements and signal processing circuits, which can directly or indirectly detect the current flowing through the conductor and convert this information into an easy-to-process electrical signal output.

United States market for Automotive-grade Integrated Current Sensor is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Automotive-grade Integrated Current Sensor is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Automotive-grade Integrated Current Sensor is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Automotive-grade Integrated Current Sensor players cover Amphenol, Allegro MicroSystems, LEM, Molex, Monolithic Power Systems, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

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LP Information, Inc. (LPI) ' newest research report, the “Automotive-grade Integrated Current Sensor Industry Forecast” looks at past sales and reviews total world Automotive-grade Integrated Current Sensor sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive-grade Integrated Current Sensor sales for 2025 through 2031. With Automotive-grade Integrated Current Sensor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Automotive-grade Integrated Current Sensor industry.

This Insight Report provides a comprehensive analysis of the global Automotive-grade Integrated Current Sensor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive-grade Integrated Current Sensor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Automotive-grade Integrated Current Sensor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive-grade Integrated Current Sensor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive-grade Integrated Current Sensor.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive-grade Integrated Current Sensor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Hall Effect Current Sensor

Shunt Current Sensor

xMR Current Sensor

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Others

Segmentation by Application:

ICEV

HEV

BEV

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

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Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Amphenol

Allegro MicroSystems

LEM

Molex

Monolithic Power Systems

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Swoboda

Continental

Honeywell

Melexis

CTS

TDK Micronas

Kohshin Electric Corporation

Nicera

Infineon

BYD

Shanghai Baolong Technology

Suzhou Novosense Microelectronics

Shanghai Orient-Chip Technology

Ningbo Sinomacs Electronic Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive-grade Integrated Current Sensor market?

What factors are driving Automotive-grade Integrated Current Sensor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

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How do Automotive-grade Integrated Current Sensor market opportunities vary by end market size?

How does Automotive-grade Integrated Current Sensor break out by Type, by Application?

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