

Global Hall-Effect Current Sensor Market Size study, by Type (Open-Loop Current Sensor, Closed-Loop Current Sensor) by Technology (Corporate-Owned, Physician-Owned, Hospital-Owned, Other) by Output (Linear, Threshold) by End-Use Industry (Industrial Automation, Automotive, Consumer Electronics, Telecommunication, Utilities, Medical, Railways, Aerospace & Defense) and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/G09D5380D7B1EN.html>

Date: January 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G09D5380D7B1EN

Abstracts

Global Hall-Effect Current Sensor Market is valued approximately USD 1.15 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 8.5 % over the forecast period 2021-2027. Hall-Effect Current Sensor is used to detect elements for example proximity, speed, or displacement of a mechanical system. Continuous technological advancement in hall-effect current sensor is creating the market growth for the market. For instance: as per The Royal Society of Chemistry, the development of complementary metal-oxide semiconductor (CMOS) technology has made Hall sensors more miniaturized and application scenarios more diverse. Texas Instruments is working with a advanced solution for customer on the back of the product with hall-effect sensor. Along with this, according to the IEEE Sensor, a technique in magnet sensing is also done by haal-effect current sensor which is tunneling magnetoresistive (TMR) which achieved highest frequency along with high bandwidths but it is limited with the detection of the overall range of the magnitude of magnetic field. Also, with the increasing demand of gas and rise in price and environmental concerns are driving the market for eco-friendly and hybrid vehicle. However, the issues related to the inconsistency in the strength of magnetic fields is expected to be the obstacle for the

hall-effect current sensor market in the forecasted period.

The key regions considered for the global Hall-Effect Current Sensor market study includes Asia Pacific, North America, Europe, Latin America and Rest of the World. Asia-Pacific is dominating the market of hall-effect current sensor market share owing to the growing need of power management. And the region has government supporting in industrial automation which helps the region grow in industrial sector. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2021-2027. Factors such as rapid industrialization in the region would create lucrative growth prospects for the Hall-Effect Current Sensor market across Asia-Pacific region.

Major market player included in this report are:

Allegro MicroSystems, Inc.
Asahi Kasei Microdevices Corporation
Infineon Technologies AG
Honeywell International Inc.
Digi-Key Electronics
KOHSHIN ELECTRIC CORPORATION
Melexis
TDK Corporation
VACUUMSCHMELZE GmbH & Co. KG
American Aerospace Controls

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Open-Loop Current Sensor
Closed-Loop Current Sensor

By Technology:

Corporate-Owned
Physician-Owned
Hospital-Owned

Other

By Output:

Linear

Threshold

By End Use Industry:

Industrial Automation

Automotive

Consumer Electronics

Telecommunication

Utilities

Medical

Railways

Aerospace & Defense

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Hall-Effect Current Sensor Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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