

On-Board Magnetic Sensor - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global On-Board Magnetic Sensor Market is accounted for \$1.16 billion in 2017 and is expected to reach \$2.64 billion by 2026 growing at a CAGR of 9.6% during the forecast period. High development in the utilization of these sensors for consumer electronic applications and increasing demand of these sensors in navigation and improvements in the on-board magnetic sensor ecosystem are some of the factors fuelling the market growth. However, inconsistent strength of a magnetic field is restraining the market growth. Moreover, the scope for these sensors in the hybrid and electric vehicles is providing ample opportunities for market growth.

On-Board Magnetic Sensor is a magnetic sensor which is calibrated after it is mounted on a circuit board. This on-board magnetic sensor will perform better than one that has been handled after calibration. The magnetic sensor is a transducer that detects and measures the magnetic field and converts it into an electric signal. Magnetic sensors are used for proximity switching, speed detection, positioning, and current sensing applications.

Based on the type, the magnetoresistive sensors segment is likely to have a huge demand because these sensors have a wide operating range and are commonly used to detect magnetic field strength. By Geography, Asia Pacific is going to have a lucrative growth during the forecast period owing to the increasing demand for Hall Effect sensors for industrial automation applications in consumer electronics and automotive industries in emerging economies.

Some of the key players profiled in the On-Board Magnetic Sensor market include TE Connectivity, TDK Corporation, Sensoronix, Sensitec, Sanken Electric, NXP

Semiconductors N.V., Murata Manufacturing, Memsic, Melexis NV, Macome, Kohshin Electric, Infineon Technologies, Honeywell International, Austria Mikro Systeme (AMS) AG and Asahi Kasei Microdevices.

Types Covered:

Squid Sensors

Magnetoresistive Sensors

Hall Effect Sensors

Other Types

Magnetic Densities Covered:

>10 Gauss (Bias Magnetic Field Sensors)

1 Microgauss to 10 Gauss (Earth Field Sensors)

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 End User Analysis
- 3.7 Application Analysis
- 3.8 Emerging Markets
- 3.9 Futuristic Market Scenario

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL ON-BOARD MAGNETIC SENSOR MARKET, BY TYPE

- 5.1 Introduction
- 5.2 Squid Sensors
- 5.3 Magnetoresistive Sensors
- 5.4 Hall Effect Sensors
- 5.5 Other Types
 - 5.5.1 Search Coil
 - 5.5.2 Reed
 - 5.5.3 Overhauser
 - 5.5.4 Optically Pumped
 - 5.5.5 Magneto-Optical
 - 5.5.6 Magnetoinductive
 - 5.5.7 Magnetodiode
 - 5.5.8 Fluxgate Sensors

6 GLOBAL ON-BOARD MAGNETIC SENSOR MARKET, BY MAGNETIC DENSITY

- 6.1 Introduction
- 6.2 >10 Gauss (Bias Magnetic Field Sensors)
- 6.3 1 Microgauss to 10 Gauss (Earth Field Sensors)
- 6.4

List Of Tables

LIST OF TABLES

- 1 Global On-Board Magnetic Sensor Market Outlook, By Region (2016-2026) (US \$MN)
- 2 Global On-Board Magnetic Sensor Market Outlook, By Type (2016-2026) (US \$MN)
- 3 Global On-Board Magnetic Sensor Market Outlook, By Squid Sensors (2016-2026) (US \$MN)
- 4 Global On-Board Magnetic Sensor Market Outlook, By Magnetoresistive Sensors (2016-2026) (US \$MN)
- 5 Global On-Board Magnetic Sensor Market Outlook, By Hall Effect Sensors (2016-2026) (US \$MN)
- 6 Global On-Board Magnetic Sensor Market Outlook, By Other Types (2016-2026) (US \$MN)
- 7 Global On-Board Magnetic Sensor Market Outlook, By Search Coil (2016-2026) (US \$MN)
- 8 Global On-Board Magnetic Sensor Market Outlook, By Reed (2016-2026) (US \$MN)
- 9 Global On-Board Magnetic Sensor Market Outlook, By Overhauser (2016-2026) (US \$MN)
- 10 Global On-Board Magnetic Sensor Market Outlook, By Optically Pumped (2016-2026) (US \$MN)
- 11 Global On-Board Magnetic Sensor Market Outlook, By Magneto-Optical (2016-2026) (US \$MN)
- 12 Global On-Board Magnetic Sensor Market Outlook, By Magnetoinductive (2016-2026) (US \$MN)
- 13 Global On-Board Magnetic Sensor Market Outlook, By Magnetodiode (2016-2026) (US \$MN)
- 14 Global On-Board Magnetic Sensor Market Outlook, By Fluxgate Sensors (2016-2026) (US \$MN)
- 15 Global On-Board Magnetic Sensor Market Outlook, By Magnetic Density (2016-2026) (US \$MN)
- 16 Global On-Board Magnetic Sensor Market Outlook, By >10 Gauss (Bias Magnetic Field Sensors) (2016-2026) (US \$MN)
- 17 Global On-Board Magnetic Sensor Market Outlook, By 1 Microgauss to 10 Gauss (Earth Field Sensors) (2016-2026) (US \$MN)
- 18 Global On-Board Magnetic Sensor Market Outlook, By

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