

Global Magnetic Field Sensor Market Research Report 2016

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Abstracts

This report studies Magnetic Field Sensor in Global market, especially in North America, Europe, China, Japan, Taiwan and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

NXP Semiconductors

Diodes Incorporated

YAMAHA CORPORATION

Zetex Semiconductors.

Analog Devices

Texas Instruments

Burr-Brown Corporation

ASM GmbH

Honeywell Solid State Electronics Center

PIC GmbH

Toshiba Semiconductor

Bourns Electronic Solutions

Cherry Semiconductor Corporation

C&K Components

Torex Semiconductor

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Magnetic Field Sensor in these regions, from 2011 to 2021 (forecast), like

North America

China

Europe

Japan

Taiwan

India

Row

Split by Product Types, with production, revenue, price, market share and growth rate of each type, can be divided into

Hall Effect Sensors

Hall ICS

Hall Elements

Magnetoresistive Sensors

Anisotropic Magnetoresistive (AMR) Sensors

Giant Magnetoresistive (GMR) Sensors

Tunnel Magnetoresistive (TMR) Sensors

MEMS-Based Magnetic Field Sensors

Squid Sensors

High Temperature Squid

Low Temperature Squid

Fluxgate Sensors

Split by applications, this report focuses on consumption, market share and growth rate of Magnetic Field Sensor in each application, can be divided into

Metering Devices

Navigation and Electronic Compass

Consumer Electronics

Aviation and Space Science

Military

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1 Magnetic Field Sensor Market Overview

1.1 Product Overview and Scope of Magnetic Field Sensor

A magnetic field sensor is a small-scale microelectromechanical (MEMS) device for detecting and measuring magnetic fields. Many of these operate by detecting effects of the Lorentz force: a change in voltage or resonant frequency may be measured electronically, or a mechanical displacement may be measured optically. Compensation for temperature effects is necessary. Such instruments have medical and biomedical applications.

Figure Picture of Magnetic Field Sensor

Source: QYR Electronics Research Center, Dec. 2016

1.2 Magnetic Field Sensor Segment by Types

1.2.1 Global Production Market Share of Magnetic Field Sensor by Types in 2015

Figure Global Production Market Share of Magnetic Field Sensor by Types in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Classification of Magnetic Field Sensor

Types

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.2.2 Hall Effect Sensors

Figure Product Picture of Hall Effect Sensors

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Hall Effect Sensors

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.2.1 Hall ICS

1.2.2.2 Hall Elements

1.2.3 Magnetoresistive Sensors

Figure Product Picture of Magnetoresistive Sensors

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Magnetoresistive Sensors

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.3.1 Anisotropic Magnetoresistive (AMR) Sensors

1.2.3.2 Giant Magnetoresistive (GMR) Sensors

1.2.3.3 Tunnel Magnetoresistive (TMR) Sensors

1.2.4 MEMS-Based Magnetic Field Sensors

Figure Product Picture of MEMS-Based Magnetic Field Sensors

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of MEMS-Based Magnetic Field Sensors

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.5 Squid Sensors

Figure Product Picture of Squid Sensors

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Squid Sensors

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.5.1 High Temperature Squid

1.2.5.2 Low Temperature Squid

1.2.6 Fluxgate Sensors

Figure Product Picture of Fluxgate Sensors

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Fluxgate Sensors

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

...

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.3 Magnetic Field Sensor Segment by Applications

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Source: QYR Electronics Research Center, Dec. 2016

Table Applications of Magnetic Field Sensor

Applications

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.3.2 Metering Devices

Metering Devices

Figure Metering Devices Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.3 Navigation and Electronic Compass

Navigation and Electronic Compass

Figure Navigation and Electronic Compass Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.4 Consumer Electronics

Consumer Electronics

Figure Consumer Electronics Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.5 Aviation and Space Science

Aviation and Space Science

Figure Aviation and Space Science Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.6 Military

Military

Figure Military Examples

Source: QYR Electronics Research Center, Dec. 2016

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Source: QYR Electronics Research Center, Dec. 2016

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Figure Row Magnetic Field Sensor Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.5 Global Market Size (Value) of Magnetic Field Sensor (2011-2021)

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Source: QYR Electronics Research Center, Dec. 2016

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Capacity

2015

2016

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Diodes Incorporated

YAMAHA CORPORATION

Zetex Semiconductors.

Analog Devices

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Capacity Market Share of Key Manufacturers (2015 and 2016)

Capacity

2015

2016

NXP Semiconductors

Diodes Incorporated

YAMAHA CORPORATION

Zetex Semiconductors.

Analog Devices

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Magnetic Field Sensor Capacity of Key Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Magnetic Field Sensor Capacity of Key Manufacturers in 2016

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Production of Key Manufacturers (2015 and 2016)

Production

2015

2016

NXP Semiconductors

Diodes Incorporated

YAMAHA CORPORATION

Zetex Semiconductors.

Analog Devices

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Production Share by Manufacturers (2015 and 2016)

Production Share

2015

2016

NXP Semiconductors

Diodes Incorporated

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure 2015 Magnetic Field Sensor Production Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure 2016 Magnetic Field Sensor Production Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.2 Global Magnetic Field Sensor Revenue and Share by Manufacturers (2015 and 2016)

Table Global Magnetic Field Sensor Revenue (Million USD) by Manufacturers (2015 and 2016)

Revenue

2015

2016

NXP Semiconductors

Diodes Incorporated

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Revenue Share by Manufacturers (2015 and 2016)

Revenue Share

2015

2016

NXP Semiconductors

Diodes Incorporated

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2015 Global Magnetic Field Sensor Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2016 Global Magnetic Field Sensor Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.3 Global Magnetic Field Sensor Average Price by Manufacturers (2015 and 2016)

Table Global Market Magnetic Field Sensor Average Price of Key Manufacturers (2015 and 2016)

2015

2016

NXP Semiconductors

Diodes Incorporated

...

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Market Magnetic Field Sensor Average Price of Key Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.4 Manufacturers Magnetic Field Sensor Manufacturing Base Distribution, Sales Area, Product Types

Table Manufacturers Magnetic Field Sensor Manufacturing Base Distribution and Sales Area

Manufacturing Base Distribution

Sales Area

NXP Semiconductors

Diodes Incorporated

...

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Manufacturers Magnetic Field Sensor Product Types

Product Types

NXP Semiconductors

Diodes Incorporated

...

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5 Magnetic Field Sensor Market Competitive Situation and Trends?

2.5.1 Magnetic Field Sensor Market Concentration Rate

2.5.2 Magnetic Field Sensor Market Share of Top 3 and Top 5 Manufacturers

Figure Magnetic Field Sensor Market Share of Top 3 Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Magnetic Field Sensor Market Share of Top 5 Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5.3 Mergers & Acquisitions, Expansion

3 Global Magnetic Field Sensor Capacity, Production, Revenue (Value) by Regions

(2011-2016)

3.1 Global Magnetic Field Sensor Capacity and Market Share by Regions (2011-2016)

Table Global Magnetic Field Sensor Capacity by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Magnetic Field Sensor Capacity Market Share by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Magnetic Field Sensor Capacity Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Magnetic Field Sensor Capacity Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.2 Global Magnetic Field Sensor Production and Market Share by Regions (2011-2016)

Table Global Magnetic Field Sensor Production by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Magnetic Field Sensor Production and Market Share by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Magnetic Field Sensor Production Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Magnetic Field Sensor Production Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.3 Global Magnetic Field Sensor Revenue (Value) and Market Share by Regions
(2011-2016)

Table Global Magnetic Field Sensor Revenue by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Revenue Market Share by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table 2015 Global Magnetic Field Sensor Revenue Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.4 Global Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.5 North America Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.6 Europe Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.7 China Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.8 Japan Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.9 Taiwan Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.10 India Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross

Margin (2011-2016)

Table India Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.11 Row Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Magnetic Field Sensor Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011

2012

2013

2014

2015

2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

4 Global Magnetic Field Sensor Supply (Production), Consumption, Export, Import by Regions (2011-2016)

4.1 Global Magnetic Field Sensor Consumption by Regions (2011-2016)

Table Global Magnetic Field Sensor Consumption Market by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Consumption Market Share by Regions (2011-2016)

2011

2012

2013

2014

2015

2016

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Magnetic Field Sensor Consumption Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Magnetic Field Sensor Consumption Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

4.2 North America Magnetic Field Sensor Production, Consumption, Export, Import by Regions (2011-2016)

Table North America Magnetic Field Sensor Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.3 Europe Magnetic Field Sensor Production, Consumption, Export, Import by Regions (2011-2016)

Table Europe Magnetic Field Sensor Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.4 China Magnetic Field Sensor Production, Consumption, Export, Import by Regions (2011-2016)

Table China Magnetic Field Sensor Production, Consumption, Import & Export (2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.5 Japan Magnetic Field Sensor Production, Consumption, Export, Import by Regions
(2011-2016)

Table Japan Magnetic Field Sensor Production, Consumption, Import & Export
(2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.6 Taiwan Magnetic Field Sensor Production, Consumption, Export, Import by Regions
(2011-2016)

Table Taiwan Magnetic Field Sensor Production, Consumption, Import & Export
(2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.7 India Magnetic Field Sensor Production, Consumption, Export, Import by Regions

(2011-2016)

Table India Magnetic Field Sensor Production, Consumption, Import & Export

(2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

4.8 Row Magnetic Field Sensor Production, Consumption, Export, Import by Regions

(2011-2016)

Table Row Magnetic Field Sensor Production, Consumption, Import & Export

(2011-2016)

2011

2012

2013

2014

2015

2016

Production

Import

Export

Consumption

Source: QYR Electronics Research Center, Dec. 2016

5 Global Magnetic Field Sensor Production, Revenue (Value), Price Trend by Types

5.1 Global Magnetic Field Sensor Production and Market Share by Types (2011-2016)

Table Global Magnetic Field Sensor Production by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Hall Effect Sensors

Magnetoresistive Sensors

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Production Share by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Hall Effect Sensors

Magnetoresistive Sensors

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Market Share of Magnetic Field Sensor by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Production Market Share of Magnetic Field Sensor by Types

Source: QYR Electronics Research Center, Dec. 2016

5.2 Global Magnetic Field Sensor Revenue and Market Share by Types (2011-2016)

Table Global Magnetic Field Sensor Revenue by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Hall Effect Sensors

Magnetoresistive Sensors

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Magnetic Field Sensor Revenue Share by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Hall Effect Sensors

Magnetoresistive Sensors

...

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Revenue Share of Magnetic Field Sensor by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Revenue Market Share of Magnetic Field Sensor by Types

Source: QYR Electronics Research Center, Dec. 2016

5.3 Global Magnetic Field Sensor Price by Type (2011-2016)

Table Global Magnetic Field Sensor Price by Types (2011-2016)

2011

2012

2013

2014

2015

2016

Hall Effect Sensors

Magnetoresistive Sensors

...

Total

Source: QYR Electronics Research Center, Dec. 2016

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