

# Global Hall Effects Sensors Market Research Report 2016

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## Abstracts

This report studies Hall Effects Sensors 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

OPTEK Technologies

Honeywell

Allegro MicroSystems

OPTREX CORPORATION.

Asahi Kasei Microsystems

First Components International

Winson Semiconductor Corp.

Company eight

HAMLIN Position and Movement Sensor Solutions

Unisonic Technologies

SEC Electronics Inc.

Micronas

Melexis Microelectronic Systems

PIC GmbH

Diodes Incorporated

Infineon Technologies AG

Anpec Electronics Corporation

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Hall Effects Sensors 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

Analog Bipolar

Analog Hall Effect Sensors

Digital Hall Effect Sensors

Latch

Analog Hall Effect Sensors

Digital Hall Effect Sensors

Omnipolar Switch

Analog Hall Effect Sensors

Digital Hall Effect Sensors

Switch

Analog Hall Effect Sensors

Digital Hall Effect Sensors

Split by applications, this report focuses on consumption, market share and growth rate of Hall Effects Sensors in each application, can be divided into

Measuring Device

Automotive

Industrial Equipment

Consumer Electronics

Aviation& Space Science

Military

Medical Device

## Contents

### Global Hall Effects Sensors Market Research Report 2016

#### **1 HALL EFFECTS SENSORS MARKET OVERVIEW**

- 1.1 Product Overview and Scope of Hall Effects Sensors
- 1.2 Hall Effects Sensors Segment by Types
  - 1.2.1 Global Production Market Share of Hall Effects Sensors by Types in 2015
  - 1.2.2 Analog Bipolar
    - 1.2.2.1 Analog Hall Effect Sensors
    - 1.2.2.2 Digital Hall Effect Sensors
  - 1.2.3 Latch
    - 1.2.3.1 Analog Hall Effect Sensors
    - 1.2.3.2 Digital Hall Effect Sensors
  - 1.2.4 Omnipolar Switch
    - 1.2.4.1 Analog Hall Effect Sensors
    - 1.2.4.2 Digital Hall Effect Sensors
  - 1.2.5 Switch
    - 1.2.5.1 Analog Hall Effect Sensors
    - 1.2.5.2 Digital Hall Effect Sensors
- 1.3 Hall Effects Sensors Segment by Applications
  - 1.3.1 Hall Effects Sensors Consumption Market Share by Applications in 2015
  - 1.3.2 Measuring Device
  - 1.3.3 Automotive
  - 1.3.4 Industrial Equipment
  - 1.3.5 Consumer Electronics
  - 1.3.6 Aviation & Space Science
  - 1.3.7 Military
- 1.4 Hall Effects Sensors Market by Regions
  - 1.4.1 North America Status and Prospect (2011-2021)
  - 1.4.2 China Status and Prospect (2011-2021)
  - 1.4.3 Europe Status and Prospect (2011-2021)
  - 1.4.4 Japan Status and Prospect (2011-2021)
  - 1.4.5 Taiwan Status and Prospect (2011-2021)
  - 1.4.6 India Status and Prospect (2011-2021)
  - 1.4.7 Row Status and Prospect (2011-2021)
- 1.5 Global Market Size (Value) of Hall Effects Sensors (2011-2021)

## **2 GLOBAL HALL EFFECTS SENSORS MARKET COMPETITION BY MANUFACTURERS**

- 2.1 Global Hall Effects Sensors Capacity, Production and Share by Manufacturers (2015 and 2016)
- 2.2 Global Hall Effects Sensors Revenue and Share by Manufacturers (2015 and 2016)
- 2.3 Global Hall Effects Sensors Average Price by Manufacturers (2015 and 2016)
- 2.4 Manufacturers Hall Effects Sensors Manufacturing Base Distribution, Sales Area, Product Types
- 2.5 Hall Effects Sensors Market Competitive Situation and Trends
  - 2.5.1 Hall Effects Sensors Market Concentration Rate
  - 2.5.2 Hall Effects Sensors Market Share of Top 3 and Top 5 Manufacturers
  - 2.5.3 Mergers & Acquisitions, Expansion

## **3 GLOBAL HALL EFFECTS SENSORS CAPACITY, PRODUCTION, REVENUE (VALUE) BY REGIONS (2011-2016)**

- 3.1 Global Hall Effects Sensors Capacity and Market Share by Regions (2011-2016)
- 3.2 Global Hall Effects Sensors Production and Market Share by Regions (2011-2016)
- 3.3 Global Hall Effects Sensors Revenue (Value) and Market Share by Regions (2011-2016)
- 3.4 Global Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.5 North America Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.6 Europe Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.7 China Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.8 Japan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.9 Taiwan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.10 India Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.11 Row Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

## **4 GLOBAL HALL EFFECTS SENSORS SUPPLY (PRODUCTION), CONSUMPTION,**

## **EXPORT, IMPORT BY REGIONS (2011-2016)**

- 4.1 Global Hall Effects Sensors Consumption by Regions (2011-2016)
- 4.2 North America Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)
- 4.3 Europe Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)
- 4.4 China Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)
- 4.5 Japan Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)
- 4.6 Taiwan Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)
- 4.7 India Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)
- 4.8 Row Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)

## **5 GLOBAL HALL EFFECTS SENSORS PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPES**

- 5.1 Global Hall Effects Sensors Production and Market Share by Types (2011-2016)
- 5.2 Global Hall Effects Sensors Revenue and Market Share by Types (2011-2016)
- 5.3 Global Hall Effects Sensors Price by Type (2011-2016)
- 5.4 Global Hall Effects Sensors Production Growth by Type (2011-2016)

## **6 GLOBAL HALL EFFECTS SENSORS MARKET ANALYSIS BY APPLICATIONS**

- 6.1 Global Hall Effects Sensors Consumption and Market Share by Applications (2011-2016)
- 6.2 Global Hall Effects Sensors Consumption Growth Rate by Applications (2011-2016)
- 6.3 Market Drivers and Opportunities
  - 6.3.1 Potential Applications
  - 6.3.2 Emerging Markets/Countries

## **7 GLOBAL HALL EFFECTS SENSORS MANUFACTURERS PROFILES/ANALYSIS**

- 7.1 OPTEK Technologies
  - 7.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its

## Competitors

### 7.1.2 Hall Effects Sensors Product Types, Application and Specification

#### 7.1.2.1 Type one

#### 7.1.2.2 Type two

### 7.1.3 OPTEK Technologies Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

## 7.2 Honeywell

### 7.2.1 Company Basic Information, Manufacturing Base, Sales Area and Its

## Competitors

### 7.2.2 Hall Effects Sensors Product Types, Application and Specification

#### 7.2.2.1 Type one

#### 7.2.2.2 Type two

### 7.2.3 Honeywell Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

## 7.3 Allegro MicroSystems

### 7.3.1 Company Basic Information, Manufacturing Base, Sales Area and Its

## Competitors

### 7.3.2 Hall Effects Sensors Product Types, Application and Specification

#### 7.3.2.1 Type one

#### 7.3.2.2 Type two

### 7.3.3 Allegro MicroSystems Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

## 7.4 OPTREX CORPORATION.

### 7.4.1 Company Basic Information, Manufacturing Base, Sales Area and Its

## Competitors

### 7.4.2 Hall Effects Sensors Product Types, Application and Specification

#### 7.4.2.1 Type one

#### 7.4.2.2 Type two

### 7.4.3 OPTREX CORPORATION. Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

## 7.5 Asahi Kasei Microsystems

### 7.5.1 Company Basic Information, Manufacturing Base, Sales Area and Its

## Competitors

### 7.5.2 Hall Effects Sensors Product Types, Application and Specification

#### 7.5.2.1 Type one

#### 7.5.2.2 Type two

### 7.5.3 Asahi Kasei Microsystems Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

## 7.6 First Components International

- 7.6.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
- 7.6.2 Hall Effects Sensors Product Types, Application and Specification
  - 7.6.2.1 Type one
  - 7.6.2.2 Type two
- 7.6.3 First Components International Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
- 7.7 Winson Semiconductor Corp.
  - 7.7.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
  - 7.7.2 Hall Effects Sensors Product Types, Application and Specification
    - 7.7.2.1 Type one
    - 7.7.2.2 Type two
  - 7.7.3 Winson Semiconductor Corp. Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
- 7.8 Company eight
  - 7.8.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
  - 7.8.2 Hall Effects Sensors Product Types, Application and Specification
    - 7.8.2.1 Type one
    - 7.8.2.2 Type two
  - 7.8.3 Company eight Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
- 7.9 HAMLIN Position and Movement Sensor Solutions
  - 7.9.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
  - 7.9.2 Hall Effects Sensors Product Types, Application and Specification
    - 7.9.2.1 Type one
    - 7.9.2.2 Type two
  - 7.9.3 HAMLIN Position and Movement Sensor Solutions Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
- 7.10 Unisonic Technologies
  - 7.10.1 Company Basic Information, Manufacturing Base, Sales Area and Its Competitors
  - 7.10.2 Hall Effects Sensors Product Types, Application and Specification
    - 7.10.2.1 Type one
    - 7.10.2.2 Type two
  - 7.10.3 Unisonic Technologies Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)



- 7.11 SEC Electronics Inc.
- 7.12 Micronas
- 7.13 Melexis Microelectronic Systems
- 7.14 PIC GmbH
- 7.15 Diodes Incorporated
- 7.16 Infineon Technologies AG
- 7.17 Anpec Electronics Corporation

## **8 HALL EFFECTS SENSORS MANUFACTURING COST ANALYSIS**

- 8.1 Hall Effects Sensors Key Raw Materials Analysis
  - 8.1.1 Key Raw Materials
  - 8.1.2 Price Trend of Key Raw Materials
  - 8.1.3 Key Suppliers of Raw Materials
  - 8.1.4 Market Concentration Rate of Raw Materials
- 8.2 Proportion of Manufacturing Cost Structure
  - 8.2.1 Raw Materials
  - 8.2.2 Labor Cost
  - 8.2.3 Manufacturing Expenses
- 8.3 Manufacturing Process Analysis of Hall Effects Sensors

## **9 AUTOMOTIVE CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS**

- 9.1 Hall Effects Sensors Automotive Chain Analysis
- 9.2 Upstream Raw Materials Sourcing
- 9.3 Raw Materials Sources of Hall Effects Sensors Major Manufacturers in 2015
- 9.4 Downstream Buyers

## **10 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS**

- 10.1 Marketing Channel
  - 10.1.1 Direct Marketing
  - 10.1.2 Indirect Marketing
  - 10.1.3 Marketing Channel Development Trend
- 10.2 Market Positioning
  - 10.2.1 Pricing Strategy
  - 10.2.2 Brand Strategy
  - 10.2.3 Target Client
- 10.3 Distributors/Traders List

## **11 MARKET EFFECT FACTORS ANALYSIS**

### 11.1 Technology Progress/Risk

#### 11.1.1 Substitutes Threat

#### 11.1.2 Technology Progress in Related Industry

### 11.2 Consumer Needs/Customer Preference Change

### 11.3 Economic/Political Environmental Change

## **12 GLOBAL HALL EFFECTS SENSORS MARKET FORECAST (2016-2021)**

### 12.1 Global Hall Effects Sensors Capacity, Production, Revenue Forecast (2016-2021)

### 12.2 Global Hall Effects Sensors Production, Consumption Forecast by Regions (2016-2021)

### 12.3 Global Hall Effects Sensors Production Forecast by Type (2016-2021)

### 12.4 Global Hall Effects Sensors Consumption Forecast by Application (2016-2021)

### 12.5 Hall Effects Sensors Price Forecast (2016-2021)

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

Author List

Disclosure Section

Research Methodology

Data Source

Disclaimer

The report requires updating with new data and is sent in 2-3 business days after order is placed.

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Hall Effects Sensors

Figure Global Production Market Share of Hall Effects Sensors by Types in 2015

Table Classification of Hall Effects Sensors

Figure Product Picture of Analog Bipolar

Table Major Manufacturers of Analog Bipolar

Figure Product Picture of Latch

Table Major Manufacturers of Latch

Figure Product Picture of Omnipolar Switch

Table Major Manufacturers of Omnipolar Switch

Figure Product Picture of Switch

Table Major Manufacturers of Switch

Table Hall Effects Sensors Consumption Market Share by Applications in 2015

Table Applications of Hall Effects Sensors

Figure Measuring Device Examples

Figure Automotive Examples

Figure Industrial Equipment Examples

Figure Consumer Electronics Examples

Figure Aviation & Space Science Examples

Figure Military Examples

Figure North America Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Figure China Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Figure Europe Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Figure Japan Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Figure Taiwan Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Figure India Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Figure Row Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Figure Global Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Table Global Hall Effects Sensors Capacity of Key Manufacturers (2015 and 2016)

Table Global Hall Effects Sensors Capacity Market Share of Key Manufacturers (2015

and 2016)

Figure Global Hall Effects Sensors Capacity of Key Manufacturers in 2015

Figure Global Hall Effects Sensors Capacity of Key Manufacturers in 2016

Table Global Hall Effects Sensors Production of Key Manufacturers (2015 and 2016)

Table Global Hall Effects Sensors Production Share by Manufacturers (2015 and 2016)

Figure 2015 Hall Effects Sensors Production Share by Manufacturers

Figure 2016 Hall Effects Sensors Production Share by Manufacturers

Table Global Hall Effects Sensors Revenue (Million USD) by Manufacturers (2015 and 2016)

Table Global Hall Effects Sensors Revenue Share by Manufacturers (2015 and 2016)

Table 2015 Global Hall Effects Sensors Revenue Share by Manufacturers

Table 2016 Global Hall Effects Sensors Revenue Share by Manufacturers

Table Global Market Hall Effects Sensors Average Price of Key Manufacturers (2015 and 2016)

Figure Global Market Hall Effects Sensors Average Price of Key Manufacturers in 2015

Table Manufacturers Hall Effects Sensors Manufacturing Base Distribution and Sales Area

Table Manufacturers Hall Effects Sensors Product Types

Figure Hall Effects Sensors Market Share of Top 3 Manufacturers

Figure Hall Effects Sensors Market Share of Top 5 Manufacturers

Table Global Hall Effects Sensors Capacity by Regions (2011-2016)

Figure Global Hall Effects Sensors Capacity Market Share by Regions (2011-2016)

Figure Global Hall Effects Sensors Capacity Market Share by Regions (2011-2016)

Figure 2015 Global Hall Effects Sensors Capacity Market Share by Regions

Table Global Hall Effects Sensors Production by Regions (2011-2016)

Figure Global Hall Effects Sensors Production and Market Share by Regions (2011-2016)

Figure Global Hall Effects Sensors Production Market Share by Regions (2011-2016)

Figure 2015 Global Hall Effects Sensors Production Market Share by Regions

Table Global Hall Effects Sensors Revenue by Regions (2011-2016)

Table Global Hall Effects Sensors Revenue Market Share by Regions (2011-2016)

Table 2015 Global Hall Effects Sensors Revenue Market Share by Regions

Table Global Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Hall Effects Sensors Capacity, Production, Revenue, Price and Gross

Margin (2011-2016)

Table Japan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Hall Effects Sensors Consumption Market by Regions (2011-2016)

Table Global Hall Effects Sensors Consumption Market Share by Regions (2011-2016)

Figure Global Hall Effects Sensors Consumption Market Share by Regions (2011-2016)

Figure 2015 Global Hall Effects Sensors Consumption Market Share by Regions

Table North America Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Table Europe Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Table China Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Table Japan Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Table Taiwan Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Table India Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Table Row Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Table Global Hall Effects Sensors Production by Types (2011-2016)

Table Global Hall Effects Sensors Production Share by Types (2011-2016)

Figure Production Market Share of Hall Effects Sensors by Types (2011-2016)

Figure 2015 Production Market Share of Hall Effects Sensors by Types

Table Global Hall Effects Sensors Revenue by Types (2011-2016)

Table Global Hall Effects Sensors Revenue Share by Types (2011-2016)

Figure Production Revenue Share of Hall Effects Sensors by Types (2011-2016)

Figure 2015 Revenue Market Share of Hall Effects Sensors by Types

Table Global Hall Effects Sensors Price by Types (2011-2016)

Figure Global Hall Effects Sensors Production Growth by Type (2011-2016)

Table Global Hall Effects Sensors Consumption by Applications (2011-2016)

Table Global Hall Effects Sensors Consumption Market Share by Applications (2011-2016)

Figure Global Hall Effects Sensors Consumption Market Share by Applications in 2015

Table Global Hall Effects Sensors Consumption Growth Rate by Applications  
(2011-2016)

Figure Global Hall Effects Sensors Consumption Growth Rate by Applications  
(2011-2016)

Table OPTEK Technologies Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table OPTEK Technologies Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure OPTEK Technologies Hall Effects Sensors Market Share (2015 and 2016)

Table Honeywell Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Honeywell Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Honeywell Hall Effects Sensors Market Share (2015 and 2016)

Table Allegro MicroSystems Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Allegro MicroSystems Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Allegro MicroSystems Hall Effects Sensors Market Share (2015 and 2016)

Table OPTREX CORPORATION. Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table OPTREX CORPORATION. Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure OPTREX CORPORATION. Hall Effects Sensors Market Share (2015 and 2016)

Table Asahi Kasei Microsystems Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Asahi Kasei Microsystems Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Asahi Kasei Microsystems Hall Effects Sensors Market Share (2015 and 2016)

Table First Components International Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table First Components International Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure First Components International Hall Effects Sensors Market Share (2015 and 2016)

Table Winson Semiconductor Corp. Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Winson Semiconductor Corp. Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)



Figure Winson Semiconductor Corp. Hall Effects Sensors Market Share (2015 and 2016)

Table Company eight Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Company eight Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Company eight Hall Effects Sensors Market Share (2015 and 2016)

Table HAMLIN Position and Movement Sensor Solutions Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table HAMLIN Position and Movement Sensor Solutions Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

Figure HAMLIN Position and Movement Sensor Solutions Hall Effects Sensors Market Share (2015 and 2016)

Table Unisonic Technologies Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Unisonic Technologies Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Unisonic Technologies Hall Effects Sensors Market Share (2015 and 2016)

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Hall Effects Sensors

Figure Manufacturing Process Analysis of Hall Effects Sensors

Figure Hall Effects Sensors Automotive Chain Analysis

Table Raw Materials Sources of Hall Effects Sensors Major Manufacturers in 2015

Table Major Buyers of Hall Effects Sensors

Table Distributors/Traders List

Figure Global Hall Effects Sensors Capacity, Production and Growth Rate Forecast (2016-2021)

Figure Global Hall Effects Sensors Revenue and Growth Rate Forecast (2016-2021)

Table Global Hall Effects Sensors Production Forecast by Regions (2016-2021)

Table Global Hall Effects Sensors Consumption Forecast by Regions (2016-2021)

Table Global Hall Effects Sensors Production Forecast by Type (2016-2021)

Table Global Hall Effects Sensors Consumption Forecast by Application (2016-2021)

1 Hall Effects Sensors Market Overview

1.1 Product Overview and Scope of Hall Effects Sensors

A Hall effect sensor is a transducer that varies its output voltage in response to a magnetic field. Hall effect sensors are used for proximity switching, positioning, speed detection, and current sensing applications. In its simplest form, the sensor operates as

an analog transducer, directly returning a voltage.

Figure Picture of Hall Effects Sensors

Source: QYR Electronics Research Center, Dec. 2016

1.2 Hall Effects Sensors Segment by Types

1.2.1 Global Production Market Share of Hall Effects Sensors by Types in 2015

Figure Global Production Market Share of Hall Effects Sensors by Types in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Classification of Hall Effects Sensors

Types

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.2.2 Analog Bipolar

Figure Product Picture of Analog Bipolar

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Analog Bipolar

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

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

1.2.2.1 Analog Hall Effect Sensors

1.2.2.2 Digital Hall Effect Sensors

1.2.3 Latch

Figure Product Picture of Latch

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Latch

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

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

1.2.3.1 Analog Hall Effect Sensors

1.2.3.2 Digital Hall Effect Sensors



#### 1.2.4 Omnipolar Switch

Figure Product Picture of Omnipolar Switch

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Omnipolar Switch

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

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

1.2.4.1 Analog Hall Effect Sensors

1.2.4.2 Digital Hall Effect Sensors

#### 1.2.5 Switch

Figure Product Picture of Switch

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Switch

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

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

1.2.5.1 Analog Hall Effect Sensors

1.2.5.2 Digital Hall Effect Sensors

#### 1.3 Hall Effects Sensors Segment by Applications

1.3.1 Hall Effects Sensors Consumption Market Share by Applications in 2015

Table Hall Effects Sensors Consumption Market Share by Applications in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Applications of Hall Effects Sensors

Applications

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.3.2 Measuring Device

Measuring Device

Figure Measuring Device Examples

Source: QYR Electronics Research Center, Dec. 2016

### 1.3.3 Automotive

Automotive

Figure Automotive Examples

Source: QYR Electronics Research Center, Dec. 2016

### 1.3.4 Industrial Equipment

Industrial Equipment

Figure Industrial Equipment Examples

Source: QYR Electronics Research Center, Dec. 2016

### 1.3.5 Consumer Electronics

Consumer Electronics

Figure Consumer Electronics Examples

Source: QYR Electronics Research Center, Dec. 2016

### 1.3.6 Aviation& Space Science

Aviation& Space Science

Figure Aviation& Space Science Examples

Source: QYR Electronics Research Center, Dec. 2016

### 1.3.7 Military

Military

Figure Military Examples

Source: QYR Electronics Research Center, Dec. 2016

### 1.3.8 Medical Device

Medical Device

Figure Medical Device Examples

Source: QYR Electronics Research Center, Dec. 2016

## 1.4 Hall Effects Sensors Market by Regions

### 1.4.1 North America Status and Prospect (2011-2021)

Figure North America Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

### 1.4.2 China Status and Prospect (2011-2021)

Figure China Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

### 1.4.3 Europe Status and Prospect (2011-2021)

Figure Europe Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

### 1.4.4 Japan Status and Prospect (2011-2021)

Figure Japan Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.5 Taiwan Status and Prospect (2011-2021)

Figure Taiwan Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.6 India Status and Prospect (2011-2021)

Figure India Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.7 Row Status and Prospect (2011-2021)

Figure Row Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.5 Global Market Size (Value) of Hall Effects Sensors (2011-2021)

Figure Global Hall Effects Sensors Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

2 Global Hall Effects Sensors Market Competition by Manufacturers

2.1 Global Hall Effects Sensors Capacity, Production and Share by Manufacturers (2015 and 2016)

Table Global Hall Effects Sensors Capacity of Key Manufacturers (2015 and 2016)  
Capacity

OPTEK Technologies

Honeywell

Allegro MicroSystems

OPTREX CORPORATION.

Asahi Kasei Microsystems

Total

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

Table Global Hall Effects Sensors Capacity Market Share of Key Manufacturers (2015 and 2016)

Capacity

OPTEK Technologies

Honeywell

Allegro MicroSystems

OPTREX CORPORATION.

Asahi Kasei Microsystems

Total

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

Figure Global Hall Effects Sensors Capacity of Key Manufacturers in 2015

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

Figure Global Hall Effects Sensors Capacity of Key Manufacturers in 2016

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

Table Global Hall Effects Sensors Production of Key Manufacturers (2015 and 2016)  
Production

OPTEK Technologies

Honeywell

Allegro MicroSystems

OPTREX CORPORATION.

Asahi Kasei Microsystems

Total

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

Table Global Hall Effects Sensors Production Share by Manufacturers (2015 and 2016)  
Production Share

2015

2016

OPTEK Technologies

Honeywell

Total

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

Figure 2015 Hall Effects Sensors Production Share by Manufacturers

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

Figure 2016 Hall Effects Sensors Production Share by Manufacturers

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

2.2 Global Hall Effects Sensors Revenue and Share by Manufacturers (2015 and 2016)  
Table Global Hall Effects Sensors Revenue (Million USD) by Manufacturers (2015 and 2016)

Revenue

OPTEK Technologies

Honeywell

Total

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

Table Global Hall Effects Sensors Revenue Share by Manufacturers (2015 and 2016)  
Revenue Share

OPTEK Technologies

Honeywell

Total

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

Table 2015 Global Hall Effects Sensors Revenue Share by Manufacturers

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

Table 2016 Global Hall Effects Sensors Revenue Share by Manufacturers

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

2.3 Global Hall Effects Sensors Average Price by Manufacturers (2015 and 2016)

Table Global Market Hall Effects Sensors Average Price of Key Manufacturers (2015 and 2016)

OPTEK Technologies

Honeywell

Total

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

Figure Global Market Hall Effects Sensors Average Price of Key Manufacturers in 2015

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

2.4 Manufacturers Hall Effects Sensors Manufacturing Base Distribution, Sales Area, Product Types

Table Manufacturers Hall Effects Sensors Manufacturing Base Distribution and Sales Area

Manufacturing Base Distribution

Sales Area

OPTEK Technologies

Honeywell

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

Table Manufacturers Hall Effects Sensors Product Types

Product Types

OPTEK Technologies

Honeywell

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

2.5 Hall Effects Sensors Market Competitive Situation and Trends?

2.5.1 Hall Effects Sensors Market Concentration Rate

2.5.2 Hall Effects Sensors Market Share of Top 3 and Top 5 Manufacturers

Figure Hall Effects Sensors Market Share of Top 3 Manufacturers

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

Figure Hall Effects Sensors Market Share of Top 5 Manufacturers

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

2.5.3 Mergers & Acquisitions, Expansion

3 Global Hall Effects Sensors Capacity, Production, Revenue (Value) by Regions (2011-2016)

3.1 Global Hall Effects Sensors Capacity and Market Share by Regions (2011-2016)

Table Global Hall Effects Sensors Capacity by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Hall Effects Sensors Capacity Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Hall Effects Sensors Capacity Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Hall Effects Sensors Capacity Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.2 Global Hall Effects Sensors Production and Market Share by Regions (2011-2016)

Table Global Hall Effects Sensors Production by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Hall Effects Sensors Production and Market Share by Regions  
(2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Hall Effects Sensors Production Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Hall Effects Sensors Production Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.3 Global Hall Effects Sensors Revenue (Value) and Market Share by Regions  
(2011-2016)

Table Global Hall Effects Sensors Revenue by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Hall Effects Sensors Revenue Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table 2015 Global Hall Effects Sensors Revenue Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

### 3.4 Global Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

### 3.5 North America Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

### 3.6 Europe Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin



Source: QYR Electronics Research Center, Dec. 2016

3.7 China Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.8 Japan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.9 Taiwan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

### 3.10 India Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

### 3.11 Row Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Hall Effects Sensors Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

### 4 Global Hall Effects Sensors Supply (Production), Consumption, Export, Import by Regions (2011-2016)

#### 4.1 Global Hall Effects Sensors Consumption by Regions (2011-2016)

Table Global Hall Effects Sensors Consumption Market by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Hall Effects Sensors Consumption Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Hall Effects Sensors Consumption Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Hall Effects Sensors Consumption Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

4.2 North America Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)

Table North America Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.3 Europe Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)

Table Europe Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.4 China Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)

Table China Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.5 Japan Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)

Table Japan Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.6 Taiwan Hall Effects Sensors Production, Consumption, Export, Import by Regions (2011-2016)

Table Taiwan Hall Effects Sensors Production, Consumption, Import & Export  
(2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.7 India Hall Effects Sensors Production, Consumption, Export, Import by Regions  
(2011-2016)

Table India Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.8 Row Hall Effects Sensors Production, Consumption, Export, Import by Regions  
(2011-2016)

Table Row Hall Effects Sensors Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

5 Global Hall Effects Sensors Production, Revenue (Value), Price Trend by Types

5.1 Global Hall Effects Sensors Production and Market Share by Types (2011-2016)

Table Global Hall Effects Sensors Production by Types (2011-2016)

Analog Bipolar

Latch

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Hall Effects Sensors Production Share by Types (2011-2016)

Analog Bipolar

Latch

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Market Share of Hall Effects Sensors by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Production Market Share of Hall Effects Sensors by Types

Source: QYR Electronics Research Center, Dec. 2016

5.2 Global Hall Effects Sensors Revenue and Market Share by Types (2011-2016)

Table Global Hall Effects Sensors Revenue by Types (2011-2016)

Analog Bipolar

Latch

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Hall Effects Sensors Revenue Share by Types (2011-2016)

Analog Bipolar

Latch

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Revenue Share of Hall Effects Sensors by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Revenue Market Share of Hall Effects Sensors by Types

Source: QYR Electronics Research Center, Dec. 2016

5.3 Global Hall Effects Sensors Price by Type (2011-2016)

Table Global Hall Effects Sensors Price by Types (2011-2016)

Analog Bipolar

Latch

Total

Source: QYR Electronics Research Center, Dec. 2016

5.4 Global Hall Effects Sensors Production Growth by Type (2011-2016)

Figure Global Hall Effects Sensors Production Growth by Type (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

6 Global Hall Effects Sensors Market Analysis by Applications

6.1 Global Hall Effects Sensors Consumption and Market Share by Applications (2011-2016)

Table Global Hall Effects Sensors Consumption by Applications (2011-2016)

Measuring Device

Automotive

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Hall Effects Sensors Consumption Market Share by Applications (2011-2016)

Measuring Device

Automotive

Total

Source: QYR Elect

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