

## **Global Industrial Sensors Market - Sensor Types, Functionality Types and End-Use Sectors**

Market Report | 2024-05-01 | 368 pages | Industry Experts

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### **Report description:**

Report Synopsis

Industrial sensors offer the capability of perceiving a physical quantity at the input point and transmitting an equivalent electrical output at the output point. Sensors, being devices that convert one form of energy into another, are considered to be transducers. In simple terms, sensors are able to detect their surroundings and transform that input into an output capable of being comprehended by a computer or a process controller. Irrespective of complexity, the role played by industrial sensors in virtually every modern manufacturing process is highly significant, owing to which it is inconceivable to imagine an automated system without sensors.

A shift towards the concept of Industry 4.0 and wider automation protocols has propelled the use of sensors in various manufacturing operations, as these devices enable in maximizing efficiency of operations and also increasing production uptime. With growth in demand for industrial automation, a subsequent rise in sensor deployment across various stages of manufacturing and product control has become vital.

North America, Europe and Asia-Pacific account for nearly 80% of the global market for Industrial Sensors based on type and functionality. Among these, Asia-Pacific is likely to emerge as the fastest growing market, with an expected CAGR of over 12% during the analysis period. This can be attributed to increasing technological advancements and rapid industrialization, plus to fact that the region has for long been the hub of electronics manufacturing, and the use of sensors in this area is widespread.

### **Research Findings & Coverage**

- Global market for Industrial Sensors is analyzed in this report with respect to sensor types, functionality types, end-use industries, major geographic regions and key countries
- The market share analysis covered for Industrial Sensors based on the segmentation mentioned above; current market size estimation, revenue projections for the analysis period provided through 2029

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- ☐- The report includes an extensive analysis of the market for more than 10 sensor types and 10 end-use industries with market share illustrations at regular intervals along the study period
- ☐- The study discusses major growth trends, R&D, technology updates and emerging applications of Industrial Sensors that influence the market growth
- ☐- Key business trends focusing on product innovations/developments, capacity expansions, M&As, JVs and other recent industry developments by the major players
- ☐- The report includes 242 data tables covering market numbers by segment and regions with graphical representation for each table
- ☐- Brief business profiles of major companies covered - 34
- ☐- The industry guide includes the contact details for 321 companies

#### Product Outline

The market for types of Industrial Sensors analyzed in this report including:

- ☐- Accelerometers
- ☐- Flow Sensors
- ☐- Force Sensors
- ☐- Gas Sensors
- ☐- Humidity Sensors
- ☐- Image Sensors
- ☐- Level Sensors
- ☐- Optical Sensors
- ☐- Position Sensors
- ☐- Pressure Sensors
- ☐- Proximity Sensors
- ☐- Temperature Sensors
- ☐- Touch Sensors

Functionality types of Industrial Sensors market analyzed in this report consist the following:

- ☐- Contact Sensors
- ☐- Contactless Sensors

The report analyzes the market for end-use industries of Industrial Sensors comprises:

- ☐- Aerospace & Defense
- ☐- Automotive
- ☐- Chemical
- ☐- Electronics
- ☐- Energy & Power
- ☐- IT & Telecom
- ☐- Manufacturing
- ☐- Mining
- ☐- Oil & Gas
- ☐- Pharmaceutical

Analysis Period, Units and Growth Rates

- ☐- The report reviews, analyzes and projects the global Engineering Plastics market for the period 2020-2029 in terms of value in US\$ and the compound annual growth rates (CAGRs) projected from 2023 through 2029

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## Geographic Coverage

- ☐- North America (The United States, Canada and Mexico)
- ☐- Europe (France, Germany, Italy, Russia, Spain, United Kingdom and Rest of Europe)
- ☐- Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)
- ☐- South America (Argentina, Brazil and Rest of South America)
- ☐- Middle East & African

## Table of Contents:

### TABLE OF CONTENTS

#### PART A: GLOBAL MARKET PERSPECTIVE

##### 1. INTRODUCTION

###### 1.1 Product Outline

###### 1.1.1 AN OVERVIEW OF INDUSTRIAL SENSORS

###### 1.1.1.1 How Sensor Technology Evolved

###### 1.1.1.2 Functions & Types of Industrial Sensors

###### 1.1.1.3 Sensor Sensitivity

###### 1.1.1.4 Industrial Sensors in Manufacturing

###### 1.1.2 MAJOR TYPES OF INDUSTRIAL SENSORS

###### 1.1.2.1 Accelerometers

###### 1.1.2.1.1 Major types of Industrial Accelerometer Sensors

###### 1.1.2.1.2 Key Applications of Accelerometers

###### 1.1.2.2 Flow Sensors

###### 1.1.2.2.1 Types of Flow Sensors

###### 1.1.2.3 Force Sensors

###### 1.1.2.3.1 Principle of Operation

###### 1.1.2.3.2 Factors Considered in Choosing a Force Sensor

###### 1.1.2.3.3 Types of Force Sensors

###### 1.1.2.3.4 Applications of Force Sensors

###### 1.1.2.4 Gas Sensors

###### 1.1.2.4.1 Classification of Gas Sensors

###### 1.1.2.5 Humidity Sensors

###### 1.1.2.5.1 Relative Humidity (RH) Sensors

###### 1.1.2.5.2 Absolute Humidity Sensors

###### 1.1.2.5.3 Thermal Humidity Sensors

###### 1.1.2.5.4 Dew Point of a Humidity Sensor

###### 1.1.2.5.5 Applications of Humidity Sensors

###### 1.1.2.6 Image Sensors

###### 1.1.2.6.1 CCD Image Sensors

###### 1.1.2.6.2 Complementary Metal-Oxide-Semiconductor (CMOS) Image Sensors

###### 1.1.2.7 Level Sensors

###### 1.1.2.7.1 Level Sensor Categorization Based on Sensing Point

###### 1.1.2.7.2 Level Measurement Types

###### 1.1.2.8 Optical Sensors

###### 1.1.2.8.1 Optical Sensor Working Principle

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- 1.1.2.8.2 Types of Optical Sensors
- 1.1.2.8.3 Applications for Optical Sensors in Industrial Settings
- 1.1.2.9 Position Sensors
  - 1.1.2.9.1 Position Sensors Types
  - 1.1.2.9.2 Major Applications of Position Sensors
- 1.1.2.10 Pressure Sensors
  - 1.1.2.10.1 Working of Pressure Sensors
  - 1.1.2.10.2 Pressure Sensor Types
- 1.1.2.11 Proximity Sensors
  - 1.1.2.11.1 Proximity Sensors & Proximity Switches
  - 1.1.2.11.2 Attributes of Proximity Sensors
  - 1.1.2.11.3 Proximity Sensor Types
  - 1.1.2.11.4 Applications of Proximity Sensors
- 1.1.2.12 Temperature Sensors
  - 1.1.2.12.1 Working Principle of Temperature Sensors
  - 1.1.2.12.2 Temperature Sensor Types
- 1.1.2.13 Touch Sensors
  - 1.1.2.13.1 Working Principle of Touch Sensors
  - 1.1.2.13.2 Touch Sensor Types
- 1.1.3 INDUSTRIAL SENSORS BY FUNCTIONALITY TYPE
  - 1.1.3.1 Contact Sensors
  - 1.1.3.2 Noncontact/Contactless Sensors
  - 1.1.3.3 Contact vs. Non-Contact/Contactless Sensors

## 2. INDUSTRIAL SENSORS END-USE INDUSTRY - A MARKET SNAPSHOT

- 2.1 Aerospace & Defense
  - 2.1.1 Classification I
  - 2.1.2 Classification II
- 2.2 Automotive
- 2.3 Chemical
  - 2.3.1 Flow Sensors
  - 2.3.2 Gas Sensors
  - 2.3.3 Level Sensors
  - 2.3.4 Pressure Sensors
  - 2.3.5 Temperature Sensors
- 2.4 Electronics
- 2.5 Energy & Power
  - 2.5.1 Fuel Cells - Bus (Pressure)
    - 2.5.1.1 Pressure Sensor for Hydrogen-Powered Vehicles
  - 2.5.2 Fuel Cells - Bus (Valve)
  - 2.5.3 Generator Sets (Pressure)
  - 2.5.4 Power Generators (Level)
- 2.6 IT & Telecom
  - 2.6.1 Connecting the World through Telecommunication and Information Technology
  - 2.6.2 Sensors in Computers
  - 2.6.3 Sensors in Mobile Devices
  - 2.6.4 Sensors in Networks

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- 2.7 Manufacturing
- 2.8 Mining
  - 2.8.1 Imaging, Three-Dimensional (3D) Mapping and Ranging
  - 2.8.2 Equipment and Machine Condition Monitoring
  - 2.8.3 Tire Pressure and Temperature Monitoring
  - 2.8.4 Hazardous Gas Monitoring
  - 2.8.5 Mine Fire Monitoring
  - 2.8.6 Tracking and Localization
  - 2.8.7 Exploration
- 2.9 Oil & Gas
  - 2.9.1 Pressure Sensors
  - 2.9.2 Gas Sensors
  - 2.9.3 Level Sensors
  - 2.9.4 Position Sensors
  - 2.9.5 Temperature Sensors
- 2.10 Pharmaceutical
  - 2.10.1 Flow Meters/Sensors
    - 2.10.1.1 Application of Flow Meters in the Pharma Industry
    - 2.10.1.2 Turbine Flow Meters
    - 2.10.1.3 Coriolis Flow meters
  - 2.10.2 Gas Sensors
  - 2.10.3 Level Sensors
    - 2.10.3.1 Level Measurement indispensable in Pharma Industry
  - 2.10.4 Pressure Sensors

### 3. KEY MARKET TRENDS

- 3.1 Industry 4.0 a Watershed Moment in Sensor Technology
- 3.2 The Critical Role of Sensors in Industry 4.0 for Factory Automation
- 3.3 Internet of Things (IoT) Sensor Technology Gaining Ground
  - 3.3.1 Smart Sensors as Edge Devices
  - 3.3.2 Power Efficiency of Sensors Getting Increased for Energy Harvesting
  - 3.3.3 Physical Sensors Being Largely Complemented by Soft & Virtual Sensors
- 3.4 Real-Time Detection of Hazardous Gases Enabled by Innovative Sensor Technology
- 3.5 Water Quality Monitoring Improved with Ultra-Sensitive Sensor Technology
- 3.6 CMOS Image Sensor Applications Enhanced with Silicon Nanowire Phototransistor Arrays
- 3.7 Demand for Humidity Nanosensors Expanding in Line with Novel Material Development
- 3.8 Developments in Magnetic Gas Sensors Improve Detection Capability
- 3.9 Advances in Optical Sensor Technology Bolster the Oil & Gas Sector
- 3.10 Optical Sensing Approaches Enhance On-site Detection of Pesticides in Agricultural Foods

### 4. MAJOR MARKET PLAYERS

- 4.1 ABB Limited (Switzerland)
- 4.2 AMETEK, Inc. (United States)
  - 4.2.1 Alphasense (United Kingdom)
- 4.3 Amphenol Corporation (United States)
  - 4.3.1 Amphenol Advanced Sensors (United States)
- 4.4 ams-OSRAM AG (Austria)

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- 4.5 FineTek Co., Ltd. (Taiwan)
- 4.5.1 Aplus FineTek Sensor, Inc. (United States)
- 4.6 Azbil Corporation (Japan)
- 4.7 Balluff GmbH (Germany)
- 4.8 Baumer Holding AG (Switzerland)
- 4.9 Bosch Sensortech GmbH (Germany)
- 4.10 CTS Corporation (United States)
- 4.11 Denso Corporation (Japan)
- 4.12 Dwyer Instruments LLC (United States)
- 4.12.1 Omega Engineering, Inc. (United States)
- 4.13 E+E Elektronik Ges.m.b.H (Austria)
- 4.14 Endress+Hauser Group Services AG (Switzerland)
- 4.15 Fortive Corporation (United States)
- 4.15.1 Anderson-Negele (United States)
- 4.15.2 Gems Sensors, Inc. (United States)
- 4.15.3 Setra Systems, Inc. (United States)
- 4.16 Gefran S.p.A. (Italy)
- 4.17 Hans Turck GmbH & Co. KG (Germany)
- 4.18 Honeywell International, Inc.
- 4.19 iFM Electronic GmbH (Germany)
- 4.20 Infineon Technologies AG (Germany)
- 4.21 Keyence Corporation (United States)
- 4.22 Kistler Instrumente AG (Switzerland)
- 4.23 Meggitt PLC (United Kingdom)
- 4.24 NXP Semiconductors N.V. (Netherlands)
- 4.25 Panasonic Holdings Corporation (Japan)
- 4.25.1 Panasonic Industry Co., Ltd. (Japan)
- 4.26 Pepperl+Fuchs SE (Germany)
- 4.27 Rockwell Automation, Inc. (United States)
- 4.28 Schneider Electric SE (France)
- 4.29 Sensata Technologies, Inc. (United States)
- 4.30 SICK AG (Germany)
- 4.31 Siemens AG (Germany)
- 4.32 TE Connectivity Ltd. (Switzerland)
- 4.32.1 First Sensor AG (Germany)
- 4.33 TDK Corporation (Japan)
- 4.34 WIKA Alexander Wiegand SE & Co. KG

## 5. KEY BUSINESS & PRODUCT TRENDS

- 5.1 April 2024
- 5.2 March 2024
- 5.3 February 2024
- 5.4 January 2024
- 5.5 December 2023
- 5.6 November 2023
- 5.7 October 2023
- 5.8 September 2023

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- 5.9 August 2023
- 5.10 July 2023
- 5.11 June 2023
- 5.12 May 2023
- 5.13 April 2023
- 5.14 March 2023
- 5.15 February 2023
- 5.16 January 2023
- 5.17 Historical[].

## 6. GLOBAL MARKET OVERVIEW

- 6.1 Global Industrial Sensors Market Overview by Type
  - 6.1.1 Industrial Sensors Type Market Overview by Global Region
    - 6.1.1.1 Accelerometers
    - 6.1.1.2 Flow Sensors
    - 6.1.1.3 Force Sensors
    - 6.1.1.4 Gas Sensors
    - 6.1.1.5 Humidity Sensors
    - 6.1.1.6 Image Sensors
    - 6.1.1.7 Level Sensors
    - 6.1.1.8 Optical Sensors
    - 6.1.1.9 Position Sensors
    - 6.1.1.10 Pressure Sensors
    - 6.1.1.11 Proximity Sensors
    - 6.1.1.12 Temperature Sensors
    - 6.1.1.13 Touch Sensors
  - 6.2 Global Industrial Sensors Market Overview by Functionality
    - 6.2.1 Industrial Sensors Functionality Type Market Overview by Global Region
      - 6.2.1.1 Contact Sensors
      - 6.2.1.2 Contactless Sensors
  - 6.3 Global Industrial Sensors Market Overview by End-Use Industry
    - 6.3.1 Industrial Sensors End-Use Industry Market Overview by Global Region
      - 6.3.1.1 Aerospace & Defense
      - 6.3.1.2 Automotive
      - 6.3.1.3 Chemical
      - 6.3.1.4 Electronics
      - 6.3.1.5 Energy & Power
      - 6.3.1.6 IT & Telecom
      - 6.3.1.7 Manufacturing
      - 6.3.1.8 Mining
      - 6.3.1.9 Oil & Gas
      - 6.3.1.10 Pharmaceutical

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