

# **Safety Sensors Market Report by Type (Safety Light Curtain, Safety Laser Scanner, Safety Mat, Safety Edge, and Others), Sensor Type (Accelerometers, Biosensors, Image Sensors, Motion Detectors, and Others), End User (Pharmaceutical, Food and Beverage, Automotive, and Others), and Region 2024-2032**

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## **Abstracts**

The global safety sensors market size reached US\$ 1.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 3.2 Billion by 2032, exhibiting a growth rate (CAGR) of 5.9% during 2024-2032.

Safety sensors are monitoring devices used in machines and other industrial applications to prevent accidents. They rely on the environment, wavelength of light, and the photodiode principle and changes in electromagnetic signals. They are high-quality, dependable, and cost-effective solutions for safeguarding equipment and preventing personal injuries. They also aid in examining remote and hazardous areas and improving the performance of the machine and reducing its wear and tear. As a result, they find extensive applications in engineering, manufacturing, food processing, medical, and oil, gas and mining.

### **Safety Sensors Market Trends:**

The growing awareness for the safety of workers in the manufacturing industry represents one of the key factors driving the market. Moreover, there is a rise in concerns about the protection of high-cost equipment in organizations. This, along with stringent regulations imposed by governments of several countries for safety at the workplace, is bolstering the growth of the market. In addition, there is an increase in the

demand for diagnostic light-emitting diodes (LEDs) on the sensors to identify errors, misalignment, and door open and closed signaling. This, coupled with the rising utilization of advanced systems with radio frequency identification (RFID) for accurate and advanced safety features, is catalyzing the demand for safety sensors worldwide. Besides this, the integration of mechanical systems with automated processes to provide effortless monitoring, waste reduction, and increase the speed of production is positively influencing the market. Additionally, the growing production of autonomous vehicles for a safer driving experience is offering lucrative growth opportunities to industry investors. Furthermore, key market players are focusing on geographical expansions and product launches and approvals, which are projected to propel their overall sales and profitability.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global safety sensors market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, sensor type and end user.

#### Breakup by Type:

- Safety Light Curtain
- Safety Laser Scanner
- Safety Mat
- Safety Edge
- Others

#### Breakup by Sensor Type:

- Accelerometers
- Biosensors
- Image Sensors
- Motion Detectors
- Others

#### Breakup by End User:

- Pharmaceutical
- Food and Beverage
- Automotive

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd, Autonics Corporation, Balluff GmbH, Banner Engineering Corporation, Contrinex AG, Keyence Corporation, Leuze electronic GmbH + Co. KG, Omron Corporation, Panasonic Corporation, Pilz GmbH & Co. KG, Rockwell Automation Inc. and Schneider Electric SE.

Key Questions Answered in This Report

1. How big is the global safety sensors market?

2. What is the expected growth rate of the global safety sensors market during 2024-2032?
3. What are the key factors driving the global safety sensors market?
4. What has been the impact of COVID-19 on the global safety sensors market?
5. What is the breakup of the global safety sensors market based on the type?
6. What is the breakup of the global safety sensors market based on the end user?
7. What are the key regions in the global safety sensors market?
8. Who are the key players/companies in the global safety sensors market?

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