

# **Europe Laser Distance Sensor Market Forecast to 2030 - Regional Analysis - by Distance (Between 2 and 10 Meters, Between 11 and 100 Meters, Between 101 and 200 Meters, and Between 201 and 500 Meters), Accuracy (1 mm at 2 Sigma, 3 mm with 2 Sigma, and 5 mm at 2 Sigma), and End User (Manufacturing, Construction, Automotive and Robotics, Aerospace and Defense, Geospatial Industry, and Others)**

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## **Abstracts**

The Europe laser distance sensor market was valued at US\$ 360.65 million in 2022 and is expected to reach US\$ 735.96 million by 2030; it is estimated to register at a CAGR of 9.3% from 2022 to 2030.

### **Advent of Advanced Robotics Solutions Drives Europe Laser Distance Sensor Market**

The advanced and intelligent autonomous mobile robots (AMRs) are autonomous mobile manipulator robots (AMMR) with a robot arm mounted on them. They are increasingly being used for picking up and moving things on a mobile platform in logistics, retail, healthcare, automobile, aerospace, and other sectors, as these robots can recognize objects, pick-and-place, assemble, pack, sort, and perform other tasks without human intervention. As these robots are more costly than the basic AMRs, the market is still in a growing phase. However, the rising adoption of these robots will majorly driven by its rising awareness regarding its benefits such as maximize the efficiency of workflow operation, minimize the error, and increase the productivity output.

AMMRs use sensors that assist mobile robots in calculating distance for the better performance of tasks assigned to them. Laser distance sensors help carry out tasks with advanced distance measurement technologies, which is likely to drive the market in the coming years due to the rise in the adoption of advanced robotics solutions.

## Europe Laser Distance Sensor Market Overview

The Europe laser distance sensor market is segmented into Germany, France, the UK, Italy, Spain, Russia, and the Rest of Europe. According to the International Federation of Robotics (IFR), ~15% of global robots were installed in Europe in 2022. The region remains the world's second-largest market, with a 5% rise in the installation of robots in 2022 compared to 2021. Germany is among the top five adopters worldwide, with a market share of 36% within the region. The third largest EU market, France, recorded a regional market share of 10% and gained 13%, installing 7,380 units in 2022. In the post-Brexit UK, industrial robot installations were up 3% to 2,534 units in 2022.

Manufacturing facilities across the region are constantly eyeing adopting newer, technologically advanced robotic solutions owing to the growing awareness of the benefits of using robots, such as easing manufacturing operations and increasing production volume parallel to humans. Thus, this is a key factor driving the Europe laser distance sensor market.

The digital industrial revolution, i.e., Industry 4.0, is helping to increase flexibility in manufacturing, mass customization, increased speed, better quality, and improved factory productivity. Because of this, automobiles, chemicals, food & beverage, mechanical engineering, and electronics sectors are installing robot solutions. In addition, governments in various countries are investing in automating the manufacturing business in the region. For example, in July 2021, the UK government announced an investment of US\$ 59.3 million (GBP 53 million) to drive the development of digital manufacturing technologies. Thus, the growing government support to boost automation will further boost the growth of the laser distance sensor market.

## Europe Laser Distance Sensor Market Revenue and Forecast to 2030 (US\$ Million)

### Europe laser distance sensor market Segmentation

The Europe laser distance sensor market is segmented based on distance, accuracy, end user, and country.

Based on distance, the Europe laser distance sensor market is segmented into between 2 and 10 meters, between 11 and 100 meters, between 101 and 200 meters, and between 201 and 500 meters. The between 11 and 100 meters segment held the largest share in 2022.

In terms of accuracy, the Europe laser distance sensor market is segmented into 1 mm at 2 sigma, 3 mm with 2 sigma, and 5 mm at 2 sigma. The 3 mm with 2 sigma segment held the largest share in 2022.

By end user, the Europe laser distance sensor market is segmented into manufacturing, construction, automotive and robotics, aerospace and defense, geospatial industry, and others. The automotive and robotics segment held the largest share in 2022.

Based on country, the Europe laser distance sensor market is categorized into Germany, France, the UK, Italy, Spain, and the Rest of Europe. Germany dominated the Europe laser distance sensor market in 2022.

Sick AG, ifm Electronic GmbH, Baumer Holding AG, Keyence Corp, Leuze electronic GmbH & Co KG, Pepperl-Fuchs SE, Wenglor Sensoric Electronic Devices GmbH, Pantron Instruments GmbH, and Jenoptik AG are some of the leading companies operating in the Europe laser distance sensor market.

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