

# **North America 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)**

<https://marketpublishers.com/r/ND88410BE6C7EN.html>

Date: July 2024

Pages: 92

Price: US\$ 2,485.00 (Single User License)

ID: ND88410BE6C7EN

## **Abstracts**

The North America laser distance sensor market was valued at US\$ 484.20 million in 2022 and is expected to reach US\$ 924.92 million by 2030; it is estimated to register at a CAGR of 8.4% from 2022 to 2030.

### **Advent of Advanced Robotics Solutions Fuels North America 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.

## North America Laser Distance Sensor Market Overview

The North America laser distance sensor market is segmented into the US, Canada, and Mexico. The market for laser distance sensors is expanding due to the increased demand for laser-based systems and components in metal processing, consumer electronics, and medical equipment. Moreover, laser distance sensors have applications in modern defense systems as laser distance sensors help the military with non-lethal weapons. For instance, in April 2023, the US Department of Defense (DOD) contracted NUBURU to be a part of the multiple award Indefinite Delivery/Indefinite Quantity (IDIQ) contract for the fabrication and delivery of equipment and prototypes to support solid-state high energy laser (HEL) weapon systems.

The laser distance sensor market is growing owing to the mounting demand for precise and effective measurement tools across manufacturing, automotive, and other industries. In addition, these sensors have become essential in the construction and architecture industry. A laser distance sensor uses laser technology to precisely measure distances, making it an essential tool for industry professionals seeking accuracy and efficiency. As the region is rich in the adoption of technical solutions, the rise in the construction industry fuels the laser distance sensor market. For example, according to the US Commerce Department, in August 2023, the US construction industry experienced growth in spending. In June 2023, the construction rose by 3.5% year-on-year.

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

### North America Laser Distance Sensor Market Segmentation

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

Based on distance, the North America 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 North America 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 North America 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 North America laser distance sensor market is categorized into US, Canada, and Mexico. The US dominated the North America laser distance sensor market in 2022.

Sick AG, ifm Electronic GmbH, Baumer Holding AG, Keyence Corp, Leuze electronic GmbH & Co KG, Pepperl-Fuchs SE, Banner Engineering Corp, and Jenoptik AG are some of the leading companies operating in the North America Laser distance sensor Market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. NORTH AMERICA LASER DISTANCE SENSOR MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 Ecosystem Analysis
  - 4.2.1 Component Providers:
  - 4.2.2 Manufacturers:
  - 4.2.3 Distributors or Suppliers:
  - 4.2.4 End-Users:
  - 4.2.5 List of Vendors in Value Chain

### **5. NORTH AMERICA LASER DISTANCE SENSOR MARKET - KEY INDUSTRY DYNAMICS**

- 5.1 Drivers
  - 5.1.1 Rise in Demand for Sensors in Automotive Applications
  - 5.1.2 Strategic Initiatives by Market Players
- 5.2 Restraints
  - 5.2.1 Stringent Government Regulations for Using Laser-Based Products
- 5.3 Opportunities
  - 5.3.1 Government Initiatives to Boost Manufacturing Facilities
  - 5.3.2 Rise in Government Spending on Defense Sector

#### 5.4 Future Trends:

##### 5.4.1 Advent of Advanced Robotics Solutions

#### 5.5 Impact of Drivers and Restraints:

### **6. LASER DISTANCE SENSOR MARKET - NORTH AMERICA MARKET ANALYSIS**

#### 6.1 North America Laser Distance Sensor Market Revenue (US\$ Million), 2022 - 2030

### **7. NORTH AMERICA LASER DISTANCE SENSOR MARKET ANALYSIS - DISTANCE**

#### 7.1 Between 2 and 10 Meters

##### 7.1.1 Overview

#### 7.2 Between 11 and 100 Meters

##### 7.2.1 Overview

#### 7.3 Between 101 and 200 Meters

##### 7.3.1 Overview

#### 7.4 Between 201 and 500 Meters

##### 7.4.1 Overview

### **8. NORTH AMERICA LASER DISTANCE SENSOR MARKET ANALYSIS - ACCURACY**

#### 8.1 1mm at 2 Sigma

##### 8.1.1 Overview

#### 8.2 3mm with 2 Sigma

##### 8.2.1 Overview

#### 8.3 5mm at 2 Sigma

##### 8.3.1 Overview

### **9. NORTH AMERICA LASER DISTANCE SENSOR MARKET ANALYSIS - END USER**

#### 9.1 Manufacturing

##### 9.1.1 Overview

#### 9.2 Construction

##### 9.2.1 Overview

#### 9.3 Automotive and Robotics

##### 9.3.1 Overview

## 9.4 Aerospace and Defence

### 9.4.1 Overview

## 9.5 Geospatial Industry

### 9.5.1 Overview

## 9.6 Others

### 9.6.1 Overview

## **10. NORTH AMERICA LASER DISTANCE SENSOR MARKET - COUNTRY ANALYSIS**

### 10.1 North America

#### 10.1.1 North America Laser Distance Sensor Market Overview

#### 10.1.2 North America Laser Distance Sensor Market Revenue and Forecasts and Analysis - By Countries

##### 10.1.2.1 North America Laser Distance Sensor Market Revenue and Forecasts and Analysis - By Country

##### 10.1.2.2 US Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn)

###### 10.1.2.2.1 US Laser Distance Sensor Market Breakdown by Distance

###### 10.1.2.2.2 US Laser Distance Sensor Market Breakdown by Accuracy

###### 10.1.2.2.3 US Laser Distance Sensor Market Breakdown by End user

##### 10.1.2.3 Canada Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn)

###### 10.1.2.3.1 Canada Laser Distance Sensor Market Breakdown by Distance

###### 10.1.2.3.2 Canada Laser Distance Sensor Market Breakdown by Accuracy

###### 10.1.2.3.3 Canada Laser Distance Sensor Market Breakdown by End user

##### 10.1.2.4 Mexico Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn)

###### 10.1.2.4.1 Mexico Laser Distance Sensor Market Breakdown by Distance

###### 10.1.2.4.2 Mexico Laser Distance Sensor Market Breakdown by Accuracy

###### 10.1.2.4.3 Mexico Laser Distance Sensor Market Breakdown by End user

## **11. LASER DISTANCE SENSOR MARKET INDUSTRY LANDSCAPE**

### 11.1 Overview

### 11.2 Market Initiatives

## **12. COMPANY PROFILES**

## 12.1 Sick AG

- 12.1.1 Key Facts
- 12.1.2 Business Description
- 12.1.3 Products and Services
- 12.1.4 Financial Overview
- 12.1.5 SWOT Analysis
- 12.1.6 Key Developments

## 12.2 ifm Electronic GmbH

- 12.2.1 Key Facts
- 12.2.2 Business Description
- 12.2.3 Products and Services
- 12.2.4 Financial Overview
- 12.2.5 SWOT Analysis
- 12.2.6 Key Developments

## 12.3 Baumer Holding AG

- 12.3.1 Key Facts
- 12.3.2 Business Description
- 12.3.3 Products and Services
- 12.3.4 Financial Overview
- 12.3.5 SWOT Analysis
- 12.3.6 Key Developments

## 12.4 Keyence Corp

- 12.4.1 Key Facts
- 12.4.2 Business Description
- 12.4.3 Products and Services
- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments

## 12.5 Leuze electronic GmbH & Co KG

- 12.5.1 Key Facts
- 12.5.2 Business Description
- 12.5.3 Products and Services
- 12.5.4 Financial Overview
- 12.5.5 SWOT Analysis
- 12.5.6 Key Developments

## 12.6 Pepperl+Fuchs SE

- 12.6.1 Key Facts
- 12.6.2 Business Description
- 12.6.3 Products and Services

- 12.6.4 Financial Overview
- 12.6.5 SWOT Analysis
- 12.6.6 Key Developments
- 12.7 Banner Engineering Corp
  - 12.7.1 Key Facts
  - 12.7.2 Business Description
  - 12.7.3 Products and Services
  - 12.7.4 Financial Overview
  - 12.7.5 SWOT Analysis
  - 12.7.6 Key Developments
- 12.8 Jenoptik AG
  - 12.8.1 Key Facts
  - 12.8.2 Business Description
  - 12.8.3 Products and Services
  - 12.8.4 Financial Overview
  - 12.8.5 SWOT Analysis
  - 12.8.6 Key Developments

## **13. APPENDIX**

- 13.1 About The Insight Partners
- 13.2 Word Index



## List Of Tables

### LIST OF TABLES

Table 1. North America Laser Distance Sensor Market Segmentation

Table 2. North America Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Million) - Distance

Table 3. North America Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Million) - Accuracy

Table 4. North America Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Million) - End user

Table 5. North America Laser Distance Sensor Market, by Country - Revenue and Forecast to 2030 (USD Million)

Table 6. US Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By Distance

Table 7. US Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By Accuracy

Table 8. US Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By End user

Table 9. Canada Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By Distance

Table 10. Canada Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By Accuracy

Table 11. Canada Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By End user

Table 12. Mexico Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By Distance

Table 13. Mexico Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By Accuracy

Table 14. Mexico Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn) - By End user

Table 15. List of Abbreviation12. List of Figures

Figure 1. North America Laser Distance Sensor Market Segmentation, By Country

Figure 2. Ecosystem: North America Laser Distance Sensor Market

Figure 3. North America Laser Distance Sensor Market - Key Industry Dynamics

Figure 4. Impact Analysis of Drivers and Restraints

Figure 5. North America Laser Distance Sensor Market Revenue (US\$ Million), 2022 - 2030

Figure 6. North America Laser Distance Sensor Market Share (%) - Distance, 2022 and

2030

Figure 7. Between 2 and 10 Meters Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 8. Between 11 and 100 Meters Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 9. Between 101 and 200 Meters Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 10. Between 201 and 500 Meters Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 11. North America Laser Distance Sensor Market Share (%) - Accuracy, 2022 and 2030

Figure 12. 1mm at 2 Sigma Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 13. 3mm with 2 Sigma Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 14. 5mm at 2 Sigma Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 15. North America Laser Distance Sensor Market Share (%) - End user, 2022 and 2030

Figure 16. Manufacturing Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 17. Construction Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 18. Automotive and Robotics Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 19. Aerospace and Defence Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 20. Geospatial Industry Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 21. Others Market Revenue and Forecasts to 2030 (US\$ Million)

Figure 22. North America Laser Distance Sensor Market- Revenue by Key Countries 2022 (US\$ Million)

Figure 23. Laser Distance Sensor market Breakdown by Key Countries, 2022 and 2030 (%)

Figure 24. US Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn)

Figure 25. Canada Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn)

Figure 26. Mexico Laser Distance Sensor Market Revenue and Forecasts to 2030 (US\$ Mn)

## I would like to order

Product name: North America 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)

Product link: <https://marketpublishers.com/r/ND88410BE6C7EN.html>

Price: US\$ 2,485.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ND88410BE6C7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970