

Global Laser Displacement Sensor Market by Manufacturers, Regions, Type and Application, Forecast to 2023

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Abstracts

Laser displacement sensors and meters are comprised of a light-emitting element and a position sensitive detector (PSD) and detect targets using triangulation. A semiconductor laser is used as the light emitting element. A lens focuses the beam on the target. The target reflects the beam back through the lens where it is focused on the position-sensitive detector (PSD), forming a beam spot. The beam spot moves as the target moves. Displacement can be determined by detecting the movement of the beam spot.

Scope of the Report:

This report focuses on the Laser Displacement Sensor in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. The laser displacement sensor market is predicted to witness an exponential growth in the forthcoming years on the back of rising trend of industrial automation along with cost saving practices in quality control. This is leading laser displacement sensors to find application across a number of application areas such as robotics, machine tools, and material handling among others.

Apart from this, rising use of laser displacement sensors in consumer electronics and automotive sectors coupled with their rising demand from other industries is immensely benefitting the laser displacement sensor market, globally. At present, in the foreign industrial developed countries the laser displacement sensor industry is generally at a more advanced level, the world's large enterprises are mainly concentrated in Europe, USA and Japan. Meanwhile, foreign companies have more advanced equipment, strong R & D capability, the technical level is in a leading position.

In terms of volume, the global laser displacement sensor industry reached a sales volume of approximately 701.36 K Units in 2016, and is expected to reach 1243.2 K Units in 2022.

KEYENCE, SICK and Panasonic captured the top three sales share spots in the laser displacement sensor market in 2016. KEYENCE dominated with 24.46% sales share, followed by SICK with 121.06% sales share and Panasonic with 11.21% sales share.

There are major three classification of laser displacement sensor in this report, the measurement range of displacement sensor 100mm, 100mm-300mm and 300mm. Globally, the sales volume share of each type of laser displacement sensor is 19.46%, 36.93% and 43.61% respectively in 2016. The segment of more than 300mm range laser displacement sensors holds the leading market share amongst all segments based on range. This is because of an extensive number of sensors that are available in this segment.

Geography-wise, Asia Pacific is likely to exhibit the leading growth rate amongst all key regional markets for laser displacement sensor. The growth in the region is driven by the presence of a large number of manufacturing units in countries such as China, Japan, India, and South Korea. Asia Pacific is the largest consumption region of laser displacement sensor, with a consumption market share nearly 39.65% in 2016. The second place is North America; following Asia Pacific with the consumption market share over 26.83 % in 2016.

The worldwide market for Laser Displacement Sensor is expected to grow at a CAGR of roughly 8.6% over the next five years, will reach 3490 million US\$ in 2023, from 2140 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

SICK

KEYENCE

Panasonic

COGNEX

Turck

OMRON

ELAG

Micro-Epsilon

Acuity

MTI Instruments

BANNER

OPTEX

SENSOPART

ZSY

Sunny Optical

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

100mm

100mm-300mm

300mm

Market Segment by Applications, can be divided into

Automotive Industry

Aerospace & Military Industry

Industrial Manufacturing

Electronics and Photovoltaic Industry

Others

There are 15 Chapters to deeply display the global Laser Displacement Sensor market.

Chapter 1, to describe Laser Displacement Sensor Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Laser Displacement Sensor, with sales, revenue, and price of Laser Displacement Sensor, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Laser Displacement Sensor, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Laser Displacement Sensor market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Laser Displacement Sensor sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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