

# Global Angular Velocity Transducers Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Angular Velocity Transducers market size was valued at US\$ 3016 million in 2024 and is forecast to a readjusted size of USD 4677 million by 2031 with a CAGR of 6.5% during review period.

The angular velocity transducer is a device used to sense and maintain the direction. It is designed based on the theory that angular momentum is immortal. Applying the principle of Coriolis force, once the gyroscope starts to rotate, the gyroscope has a tendency to resist the change of direction due to the angular momentum of the wheel. The built-in special ceramic device greatly simplifies the device structure and circuit device, so that it has superior operating characteristics. Mainly used in car navigation, position control and attitude control of moving objects, and other occasions that require accurate angle measurement.

Rapid adoption of drones and unmanned aerial vehicles (UAVs) in defense and commercial sectors is expected to be a major driver for the market. An unmanned aerial vehicle (UAV) is an onboard system or aircraft used for warfare and surveillance that is operated remotely by a human operator or autonomously by an onboard computer. The adoption rate of drones is on the rise due to increased research and development. For example, global drone R&D and acquisition spending is expected to increase from \$11.1 billion in 2020 to \$14.3 billion in 2029, according to business technology magazine Defense. Additionally, R&D spending is expected to grow from \$3.2 billion in 2020 to \$4 billion in 2029, and procurement funding is expected to increase from \$7.9 billion in 2020 to approximately \$10 billion. 3 billion by the end of the century. The increasing popularity of drones and drones is driving the growth of the market. Technological innovations are shaping the angular velocity sensor market. The

performance of INS (Inertial Navigation System), Attitude and Heading Reference System (AHRS) or Inertial Measurement Unit (IMU) for manned and unmanned aircraft, spacecraft, ships and ground vehicles has influenced the technological innovation of angular velocity sensors.

This report is a detailed and comprehensive analysis for global Angular Velocity Transducers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Angular Velocity Transducers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Angular Velocity Transducers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Angular Velocity Transducers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Angular Velocity Transducers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Angular Velocity Transducers

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Angular Velocity Transducers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB, OMRON, IFM Efector, Sensor Solutions, Honeywell, Pepperl+Fuchs, TE Connectivity, ROBOTIS, Murata Manufacturing, Bosch Security Systems, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market Segmentation

Angular Velocity Transducers market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Single Axis

Dual Axis

Three-Axis

#### Market segment by Application

Automotive Navigation

Posture Control

Position Control

Others

#### Major players covered

ABB

OMRON

IFM Efector

Sensor Solutions

Honeywell

Pepperl+Fuchs

TE Connectivity

ROBOTIS

Murata Manufacturing

Bosch Security Systems

STMicroelectronics

Texas Instruments

NXP Semiconductors

Phidgets

Trans-Tek

Althen

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Angular Velocity Transducers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Angular Velocity Transducers, with price, sales quantity, revenue, and global market share of Angular Velocity Transducers from 2020 to 2025.

Chapter 3, the Angular Velocity Transducers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Angular Velocity Transducers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Angular Velocity Transducers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Angular Velocity Transducers.

Chapter 14 and 15, to describe Angular Velocity Transducers sales channel,

distributors, customers, research findings and conclusion.

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