

Global Zirconium Dioxide Oxygen Sensors 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 Zirconium Dioxide Oxygen Sensors market size was valued at US\$ 7554 million in 2024 and is forecast to a readjusted size of USD 8751 million by 2031 with a CAGR of 2.1% during review period.

Zirconia oxygen sensors are comprised of a zirconium-dioxide-based solid electrolyte. Zirconia oxygen sensors have unique characteristics, such as fast operational readiness, temperature resistance, not sensitive to hydraulic shock, etc. It is used extensively to monitor the air-to-fuel ratio of internal combustion engines.

Global Zirconia Oxygen Sensors key players include Bosch, NGK-NTK, Denso, Delphia, Hyundai KEFICO, etc. Global top five manufacturers hold a share over 60%. Europe is the largest market, with a share over 25%, followed by USA and Japan, both have a share over 40%. In terms of product, Planar is the largest segment, with a share over 70%. And in terms of application, the largest application is Automotive, followed by Motorcycle, Industrial, etc.

This report is a detailed and comprehensive analysis for global Zirconium Dioxide Oxygen Sensors 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 Zirconium Dioxide Oxygen Sensors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Zirconium Dioxide Oxygen Sensors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Zirconium Dioxide Oxygen Sensors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Zirconium Dioxide Oxygen Sensors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/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 Zirconium Dioxide Oxygen Sensors

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

To forecast future factors affecting the marketplace

This report profiles key players in the global Zirconium Dioxide Oxygen Sensors 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 NGK-NTK, Bosch, Denso, Delphi, Bacharach, Figaro, FAE, SST Sensing, Ceradex, First Sensor, etc.

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

Market Segmentation

Zirconium Dioxide Oxygen Sensors 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

Thimble Type

Planar Type

Others

Market segment by Application

Automotive

Motorcycle

Industrial

Others

Major players covered

NGK-NTK

Bosch

Denso

Delphi

Bacharach

Figaro

FAE

SST Sensing

Ceradex

First Sensor

Walker Products

Eaton

Fujikura

AMI

Cubic Sensor and Instrument

Pucheng

Ampron

Volkse

Lambda Electronic

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 Zirconium Dioxide Oxygen Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Zirconium Dioxide Oxygen Sensors, with price, sales quantity, revenue, and global market share of Zirconium Dioxide Oxygen

Sensors from 2020 to 2025.

Chapter 3, the Zirconium Dioxide Oxygen Sensors competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Zirconium Dioxide Oxygen Sensors 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 Zirconium Dioxide Oxygen Sensors 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 Zirconium Dioxide Oxygen Sensors.

Chapter 14 and 15, to describe Zirconium Dioxide Oxygen Sensors sales channel, distributors, customers, research findings and conclusion.

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