

Global Piezoelectric Knock Sensor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Piezoelectric Knock Sensor market size was valued at US\$ 275 million in 2025 and is forecast to a readjusted size of US\$ 363 million by 2032 with a CAGR of 4.1% during review period.

A piezoelectric knock sensor is a device that uses the piezoelectric effect to detect knock signals (abnormal combustion noise) in an engine. It senses vibrations or pressure changes during combustion and converts them into electrical signals, which are transmitted to the Engine Control Unit (ECU) to optimize combustion and protect the engine. It is widely used in automotive engine management systems.

This report is a detailed and comprehensive analysis for global Piezoelectric Knock Sensor 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 Piezoelectric Knock Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Piezoelectric Knock Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices

(US\$/Unit), 2021-2032

Global Piezoelectric Knock Sensor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Piezoelectric Knock Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Piezoelectric Knock Sensor

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 Piezoelectric Knock Sensor 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 Continental, Delphi, Denso Corporation, Bosch, Inzi Controls, Hyundai Kefico, NGK Spark Plug, FACET, Walker Products, Tridon, etc.

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

Market Segmentation

Piezoelectric Knock Sensor market is split by Type and by Application. For the period 2021-2032, 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

Surface Mounted Knock Sensor

Bolt-On Knock Sensor

Market segment by Application

OEM

Aftermarket

Major players covered

Continental

Delphi

Denso Corporation

Bosch

Inzi Controls

Hyundai Kefico

NGK Spark Plug

FACET

Walker Products

Tridon

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 Piezoelectric Knock Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Piezoelectric Knock Sensor, with price, sales quantity, revenue, and global market share of Piezoelectric Knock Sensor from 2021 to 2026.

Chapter 3, the Piezoelectric Knock Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Piezoelectric Knock Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Piezoelectric Knock Sensor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Piezoelectric Knock Sensor.

Chapter 14 and 15, to describe Piezoelectric Knock Sensor sales channel, distributors, customers, research findings and conclusion.

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