

Global Pressure Sensors Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Pressure Sensors market size will reach 12,260 Million USD in 2025 and is projected to reach 16,439 Million USD by 2032, with a CAGR of 4.28% (2025-2032). Notably, the China Pressure Sensors market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Pressure sensors are devices designed to measure and detect changes in pressure levels within a specific environment or system. These sensors convert the physical force exerted by a fluid (gas or liquid) into an electrical signal, providing valuable data for monitoring and control purposes. Pressure sensors find applications in various industries, including automotive, aerospace, healthcare, and industrial automation. They play a critical role in measuring and ensuring optimal conditions in pneumatic and hydraulic systems, monitoring tire pressure in vehicles, regulating ventilation in HVAC systems, and facilitating accurate measurements in medical devices like blood pressure monitors. Pressure sensors come in different types, such as absolute, gauge, and differential pressure sensors, each tailored for specific applications where precise pressure monitoring is essential for maintaining safety, efficiency, and performance.

The major global manufacturers of Pressure Sensors include Bosch, Denso, Sensata, Amphenol, NXP+ Freescale, Infineon, STMicroelectronics, TE Connectivity (Measurement Specialties), Omron, Honeywell, Continental, Siemens, Panasonic,

Emerson, ABB, Yokogawa Electric Corporation, WIKA Alexander Wiegand, Keller, Balluff, WIKA Alexander Wiegand, KEYENCE, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Pressure Sensors. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Pressure Sensors market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Pressure Sensors market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Pressure Sensors industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Pressure Sensors Include:

Bosch

Denso

Sensata

Amphenol

NXP+ Freescale

Infineon

STMicroelectronics

TE Connectivity (Measurement Specialties)

Omron

Honeywell

Continental

Siemens

Panasonic

Emerson

ABB

Yokogawa Electric Corporation

WIKA Alexander Wiegand

Keller

Balluff

WIKA Alexander Wiegand

KEYENCE

Pressure Sensors Product Segment Include:

Absolute Pressure Sensors

Gauge Pressure Sensors

Differential Pressure Sensors

Sealed Pressure Sensors

Vacuum Pressure Sensors

Aneroid Pressure Sensors

Piezoelectric Pressure Sensors

Strain Gauge Pressure Sensors

Capacitive Pressure Sensors

Resonant Solid State Pressure Sensors

Pressure Sensors Product Application Include:

Automotive

Medical

Industrial

Consumer electronics

Oil and Gas

Military and Defense

Other

Chapter Scope

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