

# Global Capacitance Diaphragm Gauges Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

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## Abstracts

### Summary

A capacitance diaphragm gauge, commonly referred to as a CDG, measures vacuum gas pressure by direct measurement of the applied force on the surface of a thin diaphragm. A traditional capacitance vacuum transducer measures absolute pressure where one side of the diaphragm is exposed to a permanently sealed vacuum cavity integrated in the sensor element and the other side of the diaphragm is exposed to the process media.

The mechanical deflection of the elastic sensor diaphragm is a function of the applied pressure. The diaphragm constitutes an electrode and together with an integrated auxiliary electrode it forms a pressure dependent capacitor that in an electrical measurement circuit converts the applied pressure to an electrical signal.

According to APO Research, The global Capacitance Diaphragm Gauges market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

North American market for Capacitance Diaphragm Gauges is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Capacitance Diaphragm Gauges is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Capacitance Diaphragm Gauges is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Capacitance Diaphragm Gauges is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Capacitance Diaphragm Gauges include Inficon, MKS, Agilent, Setra, Pfeiffer, Canon Anelva, Leybold GmbH, ULVAC and Nor-Cal, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

This report presents an overview of global market for Capacitance Diaphragm Gauges, sales, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Capacitance Diaphragm Gauges, also provides the sales of main regions and countries. Of the upcoming market potential for Capacitance Diaphragm Gauges, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Capacitance Diaphragm Gauges sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024.

Identification of the major stakeholders in the global Capacitance Diaphragm Gauges market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Capacitance Diaphragm Gauges sales, projected growth trends, production technology, application and end-user industry.

## Capacitance Diaphragm Gauges segment by Company

Inficon

MKS

Agilent

Setra

Pferffer

Canon Anelva

Leybold GmbH

ULVAC

Nor-Cal

Brooks

Kurt J. Lesker

Thyracont

InstruTech

Azbil

Horiba

Atovac

## Capacitance Diaphragm Gauges segment by Type

0.01-10 Torr

10-100 Torr

100-1000 Torr

More than 1000 Torr

#### Capacitance Diaphragm Gauges segment by Application

Semiconductor Equipment

Thin-film Deposition Processes

Medical Equipment

Food Industry

Others

#### Capacitance Diaphragm Gauges segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global Capacitance Diaphragm Gauges status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, sales, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions Capacitance Diaphragm Gauges market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Capacitance Diaphragm Gauges significant trends, drivers, influence factors in global and regions.
6. To analyze Capacitance Diaphragm Gauges competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

#### Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Capacitance Diaphragm Gauges market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Capacitance Diaphragm Gauges and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in sales and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest

developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Capacitance Diaphragm Gauges.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

### Chapter Outline

Chapter 1: Provides an overview of the Capacitance Diaphragm Gauges market, including product definition, global market growth prospects, sales value, sales volume, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Capacitance Diaphragm Gauges industry.

Chapter 3: Detailed analysis of Capacitance Diaphragm Gauges manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Sales and value of Capacitance Diaphragm Gauges in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of each country in the world.

Chapter 7: Sales and value of Capacitance Diaphragm Gauges in country level. It provides sigma data by type, and by application for each country/region.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights.

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