

# Global Helium Leak Sensor Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

<https://marketpublishers.com/r/G18F94A89CD7EN.html>

Date: April 2024

Pages: 195

Price: US\$ 4,250.00 (Single User License)

ID: G18F94A89CD7EN

## Abstracts

### Summary

A Helium Leak Sensor or Helium Leak detector is used to locate and measure the size of leaks into or out of a system or containing device. The tracer gas, helium, is introduced to a test part that is connected to the leak detector. The helium leaking through the test part enters through the system and this partial pressure is measured and the results are displayed on a meter.

Helium leak detectors consist of the following components:

A spectrometer to detect the mass of helium

A vacuum system to maintain the pressure in the spectrometer

A mechanical pump to evacuate the part to be tested

Valves which enable the various stages of detection: evacuation, test & venting

An amplifier and readout instrumentation to monitor the output signal

Power supplies and controls

Fixturing that attaches the part to be tested to the detector

Methods of Leak Testing Parts

There are two main methods to leak test parts using helium: Vacuum Testing (outside-in) and Pressure Testing (Inside-out). The detection method should be selected based on the working conditions of the part to be tested. It is important to maintain the same pressure conditions during the test as will exist during the actual use of the part. Vacuum systems should be tested with a vacuum inside the chamber. A compressed air cylinder should be tested with high pressure inside the cylinder.

According to APO Research, The global Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor include INFICON, Agilent, Leybold, Pfeiffer Vacuum, Shimadzu, Edwards Vacuum, ULVAC, VIC Leak Detection and AnHui Wanyi, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

This report presents an overview of global market for Helium Leak Sensor, 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 Helium Leak Sensor, also provides the sales of main regions and countries. Of the upcoming market potential for Helium Leak

Sensor, 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 Helium Leak Sensor sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Helium Leak Sensor 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 Helium Leak Sensor sales, projected growth trends, production technology, application and end-user industry.

#### Helium Leak Sensor segment by Company

INFICON

Agilent

Leybold

Pfeiffer Vacuum

Shimadzu

Edwards Vacuum

ULVAC

VIC Leak Detection

AnHui Wanyi

LACO Technologies

## Helium Leak Sensor segment by Type

Portable Leak Detector

Compact Leak Detector

Stationary Leak Detector

## Helium Leak Sensor segment by Application

Electronics

Power Industry

Aerospace

Automotive

Others

## Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Helium Leak Sensor significant trends, drivers, influence factors in global and regions.
6. To analyze Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor.

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 Helium Leak Sensor 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 Helium Leak Sensor industry.

Chapter 3: Detailed analysis of Helium Leak Sensor 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 Helium Leak Sensor 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 Helium Leak Sensor 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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