

Global Gas Chlorine Sensors Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GFF5B94EDCE6EN.html>

Date: August 2025

Pages: 125

Price: US\$ 3,480.00 (Single User License)

ID: GFF5B94EDCE6EN

Abstracts

According to our (Global Info Research) latest study, the global Gas Chlorine Sensors market size was valued at US\$ 701 million in 2024 and is forecast to a readjusted size of USD 1137 million by 2031 with a CAGR of 7.1% during review period.

Gas chlorine sensors are specialized sensing devices designed to detect the presence and concentration of chlorine gas in the surrounding environment. These sensors typically work based on various physical or chemical principles. For example, some operate by using electrochemical reactions where chlorine gas interacts with specific electrodes in the sensor, generating an electrical signal proportional to the chlorine concentration. Others may rely on optical principles, such as absorption of certain wavelengths of light by chlorine molecules, to measure the amount of chlorine present. Gas chlorine sensors are crucial for safety and monitoring purposes in many industrial settings, such as chemical plants, water treatment facilities, and swimming pools, where the leakage or presence of chlorine gas can pose significant health risks and environmental hazards. They are designed to provide accurate and timely information about chlorine gas levels, enabling appropriate safety measures to be taken to protect personnel and the environment.

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

Global Gas Chlorine 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 Gas Chlorine 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 Gas Chlorine 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 Gas Chlorine Sensors

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 Gas Chlorine 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 Figaro Engineering Inc., Honeywell Analytics, Drägerwerk AG & Co. KGaA, Aeroqual, Industrial Scientific Corporation, MSA Safety Incorporated, RKI Instruments, City Technology Ltd., GFG Instrumentation, Biosensor Applications, etc.

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

Market Segmentation

Gas Chlorine 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

Portable Chlorine Sensor

Online Chlorine Sensor

Laboratory Chlorine Sensor

Market segment by Application

Water Treatment Industry

Chemical Industry

Environmental Monitoring

Medical and Laboratory

Other

Major players covered

Figaro Engineering Inc.

Honeywell Analytics

Drägerwerk AG & Co. KGaA

Aeroqual

Industrial Scientific Corporation

MSA Safety Incorporated

RKI Instruments

City Technology Ltd.

GFG Instrumentation

Biosensor Applications

Emerson Electric

Trox Ltd.

Sensirion

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 Gas Chlorine Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gas Chlorine Sensors, with price, sales quantity, revenue, and global market share of Gas Chlorine Sensors from 2020 to 2025.

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

Chapter 4, the Gas Chlorine 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 Gas Chlorine 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 Gas Chlorine Sensors.

Chapter 14 and 15, to describe Gas Chlorine Sensors sales channel, distributors, customers, research findings and conclusion.

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