

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

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Abstracts

According to our (Global Info Research) latest study, the global Geotechnical Sensors market size was valued at US\$ 390 million in 2024 and is forecast to a readjusted size of USD 644 million by 2031 with a CAGR of 7.5% during review period.

Geotechnical sensors can provide information about the physical properties of the subsurface environment, for example, density, competence, and thickness of layers of soil or sediment. Sensors can provide information about stratigraphy, estimate depth to groundwater, or approximate hydraulic conductivity. An investigator must understand the properties and structure of soils and sediments to characterize a site accurately, as these conditions will affect sampling strategies and selection of technologies.

Knowledge of the subsurface will also be critical when determining the location, extent, fate and transport, and attenuation of subsurface contaminants.

Global Geotechnical Sensors key players include Geokon, Keller Group, Nova Metrix, Fugro N.V., Roctest, etc. Global top five manufacturers hold a share over 75%.

North America is the largest market, with a share about 40%, followed by China, and Europe, both have a share over 40 percent.

In terms of product, Strain Gages is the largest segment, with a share over 35%. And in terms of application, the largest application is Tunnels and Bridges, followed by Buildings and Utilities, Dams and Levees, etc.

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

Global Geotechnical Sensors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Geotechnical Sensors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Geotechnical Sensors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/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 Geotechnical 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 Geotechnical 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 Geokon, Keller Group, Nova Metrix, Roctest, Fugro N.V., RST Instruments, Geosense, Opsens Solutions, Campbell Scientific, SISGEO, etc.

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

Market Segmentation

Geotechnical 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

Extensometers

Piezometers

Strain Gages

Thermometers

Others

Market segment by Application

Tunnels and Bridges

Buildings and Utilities

Dams and Levees

Others

Major players covered

Geokon

Keller Group

Nova Metrix

Roctest

Fugro N.V.

RST Instruments

Geosense

Opsens Solutions

Campbell Scientific

SISGEO

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

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

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

Chapter 4, the Geotechnical 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 Geotechnical 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 Geotechnical Sensors.

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

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