

Global Clamp-on Temperature Sensor 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 Clamp-on Temperature Sensor market size was valued at US\$ 780 million in 2024 and is forecast to a readjusted size of USD 922 million by 2031 with a CAGR of 2.4% during review period.

A clamp-on temperature sensor, also known as a non-contact temperature sensor or an infrared temperature sensor, is a device used to measure the temperature of an object or a surface without making direct contact. It operates based on the principle of infrared radiation emitted by an object, which is directly related to its temperature.

With the increasing adoption of automation and smart manufacturing practices, the demand for non-contact temperature measurement solutions like clamp-on sensors is likely to grow. They can integrate into digital systems and provide real-time temperature data for process control and optimization.

This report is a detailed and comprehensive analysis for global Clamp-on Temperature Sensor 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 Clamp-on Temperature Sensor market size and forecasts, in consumption value

(\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Clamp-on Temperature Sensor 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 Clamp-on Temperature Sensor 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 Clamp-on Temperature Sensor 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 Clamp-on Temperature Sensor
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Clamp-on Temperature Sensor 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 H&B Sensors, Siemens, Carrier Global, ABB, Omega Engineering, Tempsens Instrument, Emerson Electric, Honeywell, WIKA Alexander Wiegand SE & Co., Automated Logic, etc.

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

Market Segmentation

Clamp-on Temperature Sensor 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

Thermocouple Clamp-on Temperature Sensor

RTD Clamp-on Temperature Sensor

Market segment by Application

Oil and Gas

Water Treatment

Medical

Others

Major players covered

H&B Sensors

Siemens

Carrier Global

ABB

Omega Engineering

Tempsens Instrument

Emerson Electric

Honeywell

WIKA Alexander Wiegand SE & Co.

Automated Logic

Titan Products

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 Clamp-on Temperature Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Clamp-on Temperature Sensor, with price, sales quantity, revenue, and global market share of Clamp-on Temperature Sensor from 2020 to 2025.

Chapter 3, the Clamp-on Temperature Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Clamp-on Temperature Sensor 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 Clamp-on Temperature Sensor 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 Clamp-on Temperature Sensor.

Chapter 14 and 15, to describe Clamp-on Temperature Sensor sales channel, distributors, customers, research findings and conclusion.

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