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# Global Cryogenic Temperature Sensors Market Growth 2025-2031

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## Abstracts

**The report requires updating with new data and is sent in 48 hours after order is placed.**

The global Cryogenic Temperature Sensors market size is predicted to grow from US$ 215 million in 2025 to US$ 340 million in 2031; it is expected to grow at a CAGR of 7.9% from 2025 to 2031.

Cryogenic temperature sensors are devices used to measure extremely low temperatures, typically below -150 degrees Celsius. These sensors are designed to operate in extreme cold environments and provide accurate temperature readings in cryogenic applications.

The core manufacturers of global cryogenic temperature sensors include Yageo Nexensos, Omega Engineering, ABB, CHINO, Emerson and Omron, etc. The top three manufacturers account for approximately 38% of the global share. The United States is the world's largest cryogenic temperature sensors market, accounting for nearly 34% of the market share.

In terms of product type, Resistance Temperature Detectors (RTDs) occupy a major position, accounting for 32% share. At the same time, in terms of applications, Industrial is the largest application field, accounting for 36%.

LP Information, Inc. (LPI) ' newest research report, the “Cryogenic Temperature Sensors Industry Forecast” looks at past sales and reviews total world Cryogenic Temperature Sensors sales in 2024, providing a comprehensive analysis by region and market sector of projected Cryogenic Temperature Sensors sales for 2025 through 2031. With Cryogenic Temperature Sensors sales broken down by region, market

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sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Cryogenic Temperature Sensors industry.

This Insight Report provides a comprehensive analysis of the global Cryogenic Temperature Sensors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Cryogenic Temperature Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Cryogenic Temperature Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Cryogenic Temperature Sensors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Cryogenic Temperature Sensors.

This report presents a comprehensive overview, market shares, and growth opportunities of Cryogenic Temperature Sensors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Resistance Temperature Detectors (RTDs)

Negative Temperature Coefficient (NTC)

Semiconductor-based Sensors

Thermocouples

Others

Segmentation by Application:

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- Aerospace
- Research
- Industrial
- Others

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe
  - Germany

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France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Yageo Nexensos

Omega Engineering

ABB

CHINO

Emerson

Omron

Okazaki Manufacturing

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Scientific Instruments

Minco

Senmatic

Amphenol Corporation

Lake Shore Cryotronics

Yamari Industries

IST

Hayashi Denko

Netsushin

Senstech

Variohm Eurosensor

Key Questions Addressed in this Report

What is the 10-year outlook for the global Cryogenic Temperature Sensors market?

What factors are driving Cryogenic Temperature Sensors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Cryogenic Temperature Sensors market opportunities vary by end market size?

How does Cryogenic Temperature Sensors break out by Type, by Application?

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