

Global Cryogenic Temperature Sensors Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Cryogenic Temperature Sensors market size is expected to reach \$ 372 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032).

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%.

This report studies the global Cryogenic Temperature Sensors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cryogenic Temperature Sensors and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Cryogenic Temperature Sensors

that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Cryogenic Temperature Sensors total production and demand, 2021-2032, (K Units)

Global Cryogenic Temperature Sensors total production value, 2021-2032, (USD Million)

Global Cryogenic Temperature Sensors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Cryogenic Temperature Sensors consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Cryogenic Temperature Sensors domestic production, consumption, key domestic manufacturers and share

Global Cryogenic Temperature Sensors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Cryogenic Temperature Sensors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Cryogenic Temperature Sensors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Cryogenic Temperature Sensors market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Yageo Nexensos, Omega Engineering, ABB, CHINO, Emerson, Omron, Okazaki Manufacturing, Scientific Instruments, Minco, Senmatic, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Cryogenic Temperature Sensors market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the

forecast year.

Global Cryogenic Temperature Sensors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Cryogenic Temperature Sensors Market, Segmentation by Type:

Resistance Temperature Detectors (RTDs)

Negative Temperature Coefficient (NTC)

Semiconductor-based Sensors

Thermocouples

Others

Global Cryogenic Temperature Sensors Market, Segmentation by Application:

Aerospace

Research

Industrial

Others

Companies Profiled:

Yageo Nexensos

Omega Engineering

ABB

CHINO

Emerson

Omron

Okazaki Manufacturing

Scientific Instruments

Minco

Senmatic

Amphenol Corporation

Lake Shore Cryotronics

Yamari Industries

IST

Hayashi Denko

Netsushin

Senstech

Variohm Eurosensor

Key Questions Answered:

1. How big is the global Cryogenic Temperature Sensors market?
2. What is the demand of the global Cryogenic Temperature Sensors market?
3. What is the year over year growth of the global Cryogenic Temperature Sensors market?
4. What is the production and production value of the global Cryogenic Temperature Sensors market?
5. Who are the key producers in the global Cryogenic Temperature Sensors market?
6. What are the growth factors driving the market demand?

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