

NTC Thermistor Temperature Sensors Market: By Product Type (Radial Type, Diode Type, Wire Bonding Type, Others), By Application (Consumer Electronics, Medical Instruments, Automotive, Home Appliance, Industrial Equipment, Others), And Region – Global Analysis of Market Size, Share & Trends For 2021–2022 And Forecasts To 2032

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Abstracts

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PRODUCT OVERVIEW

NTC Thermistor Temperature Sensors Market is expected to surpass USD 11.4 billion by 2032 from USD 6.58 billion in 2021 at a CAGR of 5.2% in the coming years, i.e., 2022-32

NTC thermistors are temperature sensors that make use of the resistance characteristics of metal or ceramic composites for measuring the temperature. NTC thermistors are employed as inrush current limiters, aka ICLs to effectively and quickly safeguard electrical and electronic device circuits from inrush currents. In terms of temperature sensing, NTC sensors provide a number of benefits, including their small size, high accuracy, exceptional long-term stability, and great precision. They are ceramic semiconductors built from different metal oxides. As the temperature rises, their electrical resistance falls. An electronic circuit processes this resistance to offer

temperature measurement. Compared to other temperature sensors, they are more sensitive. They can function successfully within a narrow temperature range due to their high sensitivity.

MARKET HIGHLIGHTS

NTC Thermistor Temperature Sensors Market is expected to surpass USD 11.4 billion by 2032 from USD 6.58 billion in 2021 at a CAGR of 5.2% in the coming years, i.e., 2022-32. The primary drivers of the market growth are the rapid adoption of cutting-edge technology in NTC Thermistor Temperature Sensors to reduce labor costs, the growing use of Internet of Things (IoT) devices in agricultural areas, and the enormous cost savings associated with NTC Thermistor Temperature Sensors. Moreover, climate change, the need to meet the rising global food demand, and governments' greater support of NTC Thermistor Temperature Sensors approaches are all factors that favorably affect the NTC Thermistor Temperature Sensors Market growth.

NTC Thermistor Temperature Sensors Market Segments:

By Product Type

Radial Type

Diode Type

Wire Bonding Type

Others

By Application

Consumer Electronics

Medical Instruments

Automotive

Home Appliance

Industrial Equipment

Others

MARKET DYNAMICS

Growth Drivers

Key Benefits of NTC Thermistors and Growing Applications in Consumer Electronics

Growing Demand from the Automotive Industry t%li%Drive the Market

Restraint

Response Time of NTC Thermistors, which Limit Application Scope

Key Players

Panasonic

TDK Electronics

TE Connectivity

Mitsubishi

Murata

Vishay

Littelfuse

AVX Corporation

Semitec Corporation

Thinking Electronic

Amphenol Advanced Sensors

Sinochip Electronics

Shibaura

Shiheng Electronics

E WAY Technology

Other Prominent Players

(Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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