

Global Time Temperature Indicator Labels Market Size study, by Product Type (Colour Based, Barcode Based) by Label Information (Critical Temperature Indicators (CTI), Critical Time Temperature Indicators (CTTI), Time Temperature Indicators (TTI)) by Technology (Microbiological, Diffusion, Polymer Based, Photochemical, Enzymatic, Others) by end use industries (Pharmaceutical, Food & Beverage, Chemical & Fertilizers, Others) and Regional Forecasts 2022-2028

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Abstracts

Global Time Temperature Indicator Labels Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. A time temperature indicator (TTI) refers to a smart label that shows the accumulated time-temperature history of a perishable or temperature sensitive product. Time temperature indicators are widely used in food, pharmaceutical, and medical products to indicate exposure to excessive temperature (and time at temperature). Growing pharmaceutical industry and rising demand for intelligent packaging solutions are key drivers for the growth of Time Temperature Indicator Labels market. For instance, according to India Brand Equity Forum (IBEF)- As of 2021, India's domestic pharmaceutical market is estimated at USD 42 billion and as per estimations it would amount to USD 65 billion by the year 2024 and further expand to reach USD 120-130 billion by the year 2030. Also, in July 2019, Kite Packaging, UK's leading packaging supplier had launched temperature indicators for sensitive packaging. These new temperature indicators are compact self-adhesive

labels that go inside chilled packaging to facilitate contents that need to be kept at a certain temperature. Also, with the increasing cross border trade in post covid era and growing healthcare industry in emerging economies, the adoption & demand for Time Temperature Indicator Labels is likely to increase the market growth during the forecast period. However, lack of awareness among consumers and slow rate of adoption impedes the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Time Temperature Indicator Labels Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading region across the world in terms of market share owing to presence of leading market players and growing pharmaceutical industries in the region. Whereas Asia-Pacific is anticipated to exhibit highest growth rate over the forecast period 2022-2028. Factors such as growing retail and e-commerce businesses in the region would create lucrative growth prospects for the Time Temperature Indicator Labels Market across Asia-Pacific region.

Major market player included in this report are:

3M Company,
CCL Industries Inc.
, Temptime Corporation,
Bizerba SE & Co. KG,
Delta Trak Inc.,
Thin Film Electronics ASA,
Biosynergy Inc.,
Evigence Sensors,
Insignia Technologies Ltd.,
La-Co Industries Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Colour Based

Barcode Based

By Label Information:

Critical Temperature Indicators (CTI)

Critical Time Temperature Indicators (CTTI)

Time Temperature Indicators (TTI)

By Technology:

Microbiological

Diffusion

Polymer Based

Photochemical

Enzymatic

Others

By End Use Industries:

Pharmaceutical

Food & Beverage

Chemical & Fertilizers

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Time Temperature Indicator Labels Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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