

Global Thermopile and Infrared Temperature Sensors Market Growth 2025-2031

<https://marketpublishers.com/r/G696BC3E87E0EN.html>

Date: February 2025

Pages: 115

Price: US\$ 3,660.00 (Single User License)

ID: G696BC3E87E0EN

Abstracts

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

The global Thermopile and Infrared Temperature Sensors market size is predicted to grow from US\$ 528 million in 2025 to US\$ 639 million in 2031; it is expected to grow at a CAGR of 3.2% from 2025 to 2031.

Thermopile sensors are designed to measure temperature from a distance by detecting an object's infrared (IR) energy. The higher the temperature, the more IR energy is emitted. The thermopile sensing element, composed of small thermocouples on a silicon chip, absorb the energy and produce an output signal.

The increasing adoption of automation in various industries, such as manufacturing, automotive, and aerospace, has driven the demand for accurate and reliable temperature sensors for process control and monitoring.

LP Information, Inc. (LPI) ' newest research report, the "Thermopile and Infrared Temperature Sensors Industry Forecast" looks at past sales and reviews total world Thermopile and Infrared Temperature Sensors sales in 2024, providing a comprehensive analysis by region and market sector of projected Thermopile and Infrared Temperature Sensors sales for 2025 through 2031. With Thermopile and Infrared Temperature Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Thermopile and Infrared Temperature Sensors industry.

This Insight Report provides a comprehensive analysis of the global Thermopile and Infrared 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 Thermopile and Infrared Temperature Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Thermopile and Infrared Temperature Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Thermopile and Infrared 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 Thermopile and Infrared Temperature Sensors.

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

Segmentation by Type:

Through Hole Type

SMD Type

Segmentation by Application:

Medical Devices

IoT Smart Home

Industrial Use

Consumer Electronics

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

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.

Excelitas

Heimann

Sunshine Technologies

Melexis

Amphenol

TE Connectivity

Orisystech

Semitec

Hamamatsu Photonics

Nicera

KODENSHI

Winson

Senba Sensing Technology

San-U

Key Questions Addressed in this Report

What is the 10-year outlook for the global Thermopile and Infrared Temperature Sensors market?

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

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

How do Thermopile and Infrared Temperature Sensors market opportunities vary by end market size?

How does Thermopile and Infrared Temperature Sensors break out by Type, by Application?

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