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Global Thermopile Infrared Sensor Module 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 Thermopile Infrared Sensor Module market size is predicted to grow from US$ million in 2025 to US$ million in 2031; it is expected to grow at a CAGR of %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.

United States market for Thermopile Infrared Sensor Module is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Thermopile Infrared Sensor Module is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Thermopile Infrared Sensor Module is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Thermopile Infrared Sensor Module players cover Excelitas Technologies, Heimann Sensor GmbH, Melexis, Amphemol, TE Connectivity, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Thermopile Infrared Sensor

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Module Industry Forecast" looks at past sales and reviews total world Thermopile Infrared Sensor Module sales in 2024, providing a comprehensive analysis by region and market sector of projected Thermopile Infrared Sensor Module sales for 2025 through 2031. With Thermopile Infrared Sensor Module sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Thermopile Infrared Sensor Module industry.

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

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

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

Segmentation by Type:

Single Point Infrared Temperature Measurement Module

Array Infrared Temperature Measuring Module

Segmentation by Application:

Medical Devices

IoT Smart Home

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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

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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 Technologies

Heimann Sensor GmbH

Melexis

Amphemol

TE Connectivity

Oriental System Technology

Semitec

Hamamatsu Photonics

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Nicera

KODENSHI

Senba Sensing Technology

Xiamen SAN-U Optronics

Mouser

Trivector Technology

Rainbow Technology

Midas Touch

Nippon Ceramic

Shanghai Sunshine Technology

FATRI

HINOVAIC

Key Questions Addressed in this Report

What is the 10-year outlook for the global Thermopile Infrared Sensor Module market?

What factors are driving Thermopile Infrared Sensor Module market growth, globally and by region?

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

How do Thermopile Infrared Sensor Module market opportunities vary by end market size?

How does Thermopile Infrared Sensor Module break out by Type, by Application?

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