

Global Industrial Thermopile Sensors Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

Thermopiles 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. A reference sensor is designed into the package as a reference for compensation. Thermopile infrared (IR) non-contact temperature measurement sensors are available with various lens, and filters allowing use in multiple applications, from industrial pyrometers, to climate controls and medical devices.

According to our (Global Info Research) latest study, the global Industrial Thermopile Sensors market size was valued at USD 565.7 million in 2022 and is forecast to a readjusted size of USD 718.9 million by 2029 with a CAGR of 3.5% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Global thermopile infrared sensor key players include Excelitas, Heimann, Sunshine Technologies Corporation, Melexis, etc. Global top 5 manufacturers hold a share over 60%. Europe accounts for the most market share, which have a share over 36%, followed by

This report is a detailed and comprehensive analysis for global Industrial Thermopile Sensors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets.

Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Industrial Thermopile Sensors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Industrial Thermopile Sensors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Industrial Thermopile Sensors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Industrial Thermopile Sensors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Industrial Thermopile Sensors

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Industrial Thermopile 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 Excelitas Technologies, Ampheoni Advance Sensors, Nippon Ceramic, Flir Systems and Heimann Sensor GmbH, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Industrial Thermopile Sensors market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Thermopile Infrared Sensors

Thermopile Laser Sensors

Market segment by Application

Automobile Industry

Medical Industry

Defense Industry

Major players covered

Excelitas Technologies

Ampheonl Advance Sensors

Nippon Ceramic

Flir Systems

Heimann Sensor GmbH

Texas Instruments

GE

Hamamatsu Photonic

Panasonic

Fuji Ceramics Corporation

Zilog

Winsensor

TE Connectivity

InfraTec

Murata

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Industrial Thermopile Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Industrial Thermopile Sensors, with price, sales, revenue and global market share of Industrial Thermopile Sensors from 2018 to 2023.

Chapter 3, the Industrial Thermopile Sensors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Industrial Thermopile Sensors breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Industrial Thermopile Sensors market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Industrial Thermopile Sensors.

Chapter 14 and 15, to describe Industrial Thermopile Sensors sales channel, distributors, customers, research findings and conclusion.

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