

Global Industrial-Grade Infrared Thermometer Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Industrial-Grade Infrared Thermometer market size is expected to reach \$ 349 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

In 2025, the global production of industrial-grade infrared thermometers reached 1.5299 million units, with an average selling price of US\$157 per unit. The global annual production capacity of industrial-grade infrared thermometers is approximately 2 million units, with a gross profit margin of approximately 23.2%. An industrial-grade infrared thermometer is a non-contact temperature measurement device specifically designed for industrial environments. It quickly and accurately measures the surface temperature of an object by detecting the infrared radiation emitted by the target object, without direct contact. This instrument is widely used in various complex and high-risk industrial scenarios, helping to achieve remote temperature monitoring and control. The upstream of the industrial-grade infrared thermometer industry chain includes infrared detection elements and sensors, optical and window components, probes and thermal imaging module structural components, etc.; the midstream consists of industrial-grade infrared thermometer manufacturers; and the downstream mainly includes industries such as machinery, chemical, and metallurgy.

The industrial-grade infrared thermometer market is in a phase of steady expansion, driven by the continued demand for non-contact, rapid, and accurate temperature monitoring from industries such as industrial automation, quality control, energy, and metallurgy. High-quality models are upgrading towards higher resolution, faster response, wider operating temperature ranges, and higher protection levels, while integration, cloud-based data analysis, and remote diagnostics are becoming major trends. Regional markets differ; mature markets emphasize compliance and data

security, while emerging markets focus on cost-effectiveness, localized services, and rapid deployment.

This report studies the global Industrial-Grade Infrared Thermometer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial-Grade Infrared Thermometer and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Industrial-Grade Infrared Thermometer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial-Grade Infrared Thermometer total production and demand, 2021-2032, (K Units)

Global Industrial-Grade Infrared Thermometer total production value, 2021-2032, (USD Million)

Global Industrial-Grade Infrared Thermometer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Industrial-Grade Infrared Thermometer consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Industrial-Grade Infrared Thermometer domestic production, consumption, key domestic manufacturers and share

Global Industrial-Grade Infrared Thermometer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Industrial-Grade Infrared Thermometer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Industrial-Grade Infrared Thermometer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Industrial-Grade Infrared Thermometer 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 FLUKE, LumaSense, Land Instruments, Optris, Chino, Omega, EXTECH, PCE Holding GmbH, Trumeter, Testo, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Industrial-Grade Infrared Thermometer market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Industrial-Grade Infrared Thermometer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial-Grade Infrared Thermometer Market, Segmentation by Type:

Single Wavelength Type

Dual Wavelength Type

Fully Radiant Type

Global Industrial-Grade Infrared Thermometer Market, Segmentation by Measurement Range:

Low Temperature Type

Medium Temperature Type

High Temperature Type

Global Industrial-Grade Infrared Thermometer Market, Segmentation by Optical Resolution:

Low Resolution

High Resolution

Global Industrial-Grade Infrared Thermometer Market, Segmentation by Application:

Machinery

Chemical Industry

Metallurgy

Others

Companies Profiled:

FLUKE

LumaSense

Land Instruments

Optris

Chino

Omega

EXTECH

PCE Holding GmbH

Trumeter

Testo

KOBOLD

3M

Toshniwal Industries Pvt Ltd

AMETEK

JIR

Pulsar

Micro-Epsilon

SAT

Key Questions Answered:

1. How big is the global Industrial-Grade Infrared Thermometer market?
2. What is the demand of the global Industrial-Grade Infrared Thermometer market?
3. What is the year over year growth of the global Industrial-Grade Infrared Thermometer market?
4. What is the production and production value of the global Industrial-Grade Infrared Thermometer market?
5. Who are the key producers in the global Industrial-Grade Infrared Thermometer

market?

6. What are the growth factors driving the market demand?

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