

# Global Non-Contact Infrared Pyrometers Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Non-Contact Infrared Pyrometers market size is expected to reach \$ 638 million by 2032, rising at a market growth of 5.6% CAGR during the forecast period (2026-2032).

In 2025, global Non-Contact Infrared 336 K units, with an average global market price of around 1,250 US\$/unit.

Non-contact infrared pyrometers are specialized temperature-measuring instruments that infer the surface temperature of objects by detecting and quantifying the infrared thermal radiation (also known as black-body radiation) emitted by the target, without the need for direct physical contact. These instruments typically consist of an optical system to focus the infrared radiation onto a detector, which converts the radiant power into an electrical signal, and a processing unit that translates the signal into a temperature reading after compensating for ambient temperature and adjusting for the object's emissivity. Unlike contact thermometers, they offer fast response times, avoid contamination or damage to the measured object, and can operate in harsh or inaccessible environments such as high-temperature industrial settings, moving targets, or vacuum-controlled atmospheres where contact measurement is impractical or unsafe. They are available in various configurations, with measurement ranges spanning from low ambient temperatures to extremely high levels (up to 3,500 °C or higher), and are widely equipped with features like emissivity adjustment, data logging, and wireless connectivity to enhance usability and accuracy across diverse scenarios.

The demand for non-contact infrared pyrometers is steadily growing, driven by the increasing adoption of non-contact temperature monitoring solutions in industrial automation, strict safety regulations, and the expansion of industries requiring precise

temperature control, such as metallurgy, glass manufacturing, cement production, automotive, and aerospace. The global market is projected to grow at a steady CAGR, with Asia-Pacific emerging as the fastest-growing region due to surging manufacturing and automation needs, while North America remains a key market due to extensive industrial applications. Key drivers include the need for operational safety, process optimization, and the advantages of non-contact measurement?such as suitability for moving targets and high-temperature environments?over traditional contact sensors like thermocouples. Business opportunities lie in strengthening R&D to address challenges like calibration complexity and low-emissivity material measurement inaccuracies, developing advanced models with integrated data analytics and smart connectivity to align with Industry 4.0 trends, and expanding market penetration in emerging economies where industrial sectors are rapidly expanding. Additionally, customizing products for niche applications (such as medical fever screening, cultural relic protection, or nuclear industry monitoring) and improving cost-effectiveness to cater to small and medium-sized enterprises can further unlock market potential.

This report studies the global Non-Contact Infrared Pyrometers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Non-Contact Infrared Pyrometers 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 Non-Contact Infrared Pyrometers that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Non-Contact Infrared Pyrometers total production and demand, 2021-2032, (K Units)

Global Non-Contact Infrared Pyrometers total production value, 2021-2032, (USD Million)

Global Non-Contact Infrared Pyrometers production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Non-Contact Infrared Pyrometers consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Non-Contact Infrared Pyrometers domestic production, consumption, key domestic manufacturers and share

Global Non-Contact Infrared Pyrometers production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Non-Contact Infrared Pyrometers production by Measurement Range,

production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Non-Contact Infrared Pyrometers production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Non-Contact Infrared Pyrometers 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 AMETEK LAND, Fluke, Optris, Advanced Energy (Impac), Williamson, CHINO, Keller ITS, Process Sensors, Calex Electronics, HEITRONICS, 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 Non-Contact Infrared Pyrometers 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 Measurement Range, 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 Non-Contact Infrared Pyrometers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Non-Contact Infrared Pyrometers Market, Segmentation by Measurement Range:

Below 300?

300? to 1000?

Above 1000?

### Global Non-Contact Infrared Pyrometers Market, Segmentation by Detection Technology:

Single-Wavelength Type

Dual-Wavelength Type

Ratio Pyrometer Type

Others

### Global Non-Contact Infrared Pyrometers Market, Segmentation by Installation Type:

Fixed Mount Type

Handheld Type

Portable Type

### Global Non-Contact Infrared Pyrometers Market, Segmentation by Application:

Metallurgy

Automotive

Aerospace

Electronics

Medical

Others

Companies Profiled:

AMETEK LAND

Fluke

Optris

Advanced Energy (Impac)

Williamson

CHINO

Keller ITS

Process Sensors

Calex Electronics

HEITRONICS

Micro-Epsilon

Sensortherm

DIAS Infrared

Proxitron

OMEGA Engineering

OPTEX FA

PCE

**Key Questions Answered:**

1. How big is the global Non-Contact Infrared Pyrometers market?
2. What is the demand of the global Non-Contact Infrared Pyrometers market?
3. What is the year over year growth of the global Non-Contact Infrared Pyrometers market?
4. What is the production and production value of the global Non-Contact Infrared Pyrometers market?
5. Who are the key producers in the global Non-Contact Infrared Pyrometers market?
6. What are the growth factors driving the market demand?

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