

Pyrometers – A Global Market Overview

“The report reviews, analyzes and projects the global market for Pyrometers for the period 2018-2027. Pyrometer product types analyzed in this study include Handheld Pyrometers and Stationary Pyrometers. Pyrometers are further segmented by technology into Infrared/Radiation Pyrometers and Optical Pyrometers. The report also segments the Pyrometers market by wavelength into Multi-Wavelength Pyrometers and Single Wavelength Pyrometers. The global market for Pyrometers’ applications explored in various verticals in this study including Ceramics, Glass and Metal Processing.”

Published: January 2022

Report Code: HC035

Pages: 280

Charts: 184

Price: \$4500 Single User License, \$7200 Enterprise License

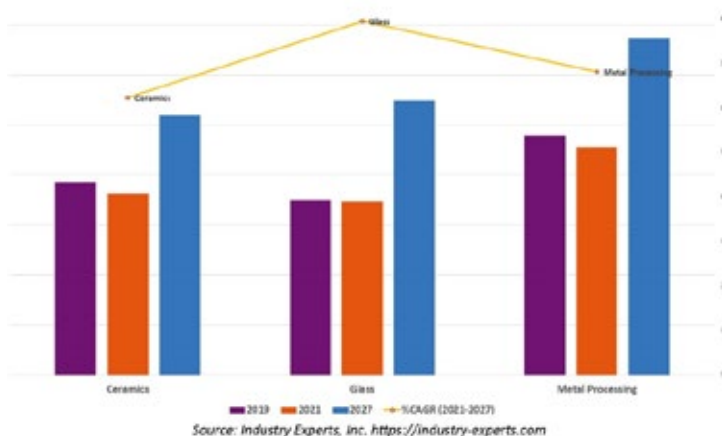
Report Synopsis

The market for Pyrometers that are widely used for sensing and monitoring extremely high temperatures remotely, also underwent a decline between 2019 and 2020 due to lack of demand. The primary sectors where these devices are used include the Ceramics, Glass and Metal Processing industries, which slowed or closed operations in several regions. Apart from Asia-Pacific, all the other major regions posted declines during the pandemic period, with recovery being possible only towards the middle of 2021 as the effect of the virus was able to be controlled with newly developed vaccines.

Over the coming years, it is expected that the market for Pyrometers would continue to maintain a healthy growth in tune with growth in the industries where these devices are mainly used. Other innovative applications and product novelties would also play crucial roles in propelling demand for Pyrometers.

By application vertical, Metal Processing is projected to reach US\$337.1 million by 2027 to be the largest end-use market while Glass sector is anticipated to record the fastest growth between 2021 and 2027. Overall market for Pyrometers in 2022 is expected to reach US\$602.3 million.

Global Pyrometers Market by Wavelength - 2021-2027



Research Findings & Coverage

- The market for Pyrometers, globally, analyzed in this report with respect to product type, technology, wavelength and application vertical
- Market size of Surfactants is estimated in this report by product types, technologies, wavelengths and verticals across all major countries
- Pyrometer for Measuring True Temperature Field of the Two-Dimensional Array Developed
- Three-Wavelength CCD Image Pyrometers Developed for Temperature Field Measurements of Continuous Casting Billets
- Aerospace Industry Adopting Two-Color Pyrometers in Measuring Process Temperatures
- MOCVD Process for microLEDs Enhanced Using Innovative Short-Wavelength Pyrometer
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 30
- The industry guide includes the contact details for 70 companies

Product Outline

The market for key product type of Pyrometers studied in this report comprise the following:

- Handheld Pyrometers
- Stationary Pyrometers

Pyrometers’ market studied in this report by key technologies including:

- Infrared/Radiation Pyrometers
- Optical Pyrometers

The study analyzes the Pyrometers’ market by wavelength in this report includes:

- Multi-Wavelength Pyrometers
- Single Wavelength Pyrometers

The report explores the market for the following major application verticals of Pyrometers:

- Ceramics
- Glass
- Metal Processing

Analysis Period, Units and Growth Rates

- This report reviews, analyzes and projects the global Pyrometers market for the period 2018-2027 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2021 through 2027 with a special focus on Covid-19 pandemic impact and provides y-o-y analysis for 2019 and 2020.

Geographic Coverage

- **North America** (The United States, Canada and Mexico)
- **Europe** (France, Germany, Italy, the United Kingdom and Rest of Europe)
- **Asia-Pacific** (China, India, Japan and Rest of Asia-Pacific)
- **Rest of World**

SAMPLE COMPANY PROFILE

CHINO CORPORATION (JAPAN)

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Business Overview

Established in 1936, Tokyo, Japan-based CHINO Corporation is engaged in the production and sales of instrumentation and control equipment. The company offers infrared radiation thermometers, high-quality recorders, controllers, temperature sensors, various sensors, data loggers, thermal image systems/thermographies, constituent/moisture/thickness meters, thyristor regulators, various testing systems such as fuel cell testing systems and related services. The product line offered by the company encompasses infrared radiation (IR) thermometers, temperature sensors, temperature calibration equipment, temperature/humidity meters & sensors, constituent/moisture/thickness meters, data loggers, controllers/indicators, recorders, thyristor regulators, fuel cell testing systems, compressor performance testing systems, and instrumentation components. CHINO's IR thermometers portfolio includes IR-HA series portable radiation thermometers, IR-AH series handheld type digital radiation thermometers, IR-TA series handheld type radiation thermometers, IR-TE2 waterproof palm-sized radiation thermometers, TP-S easy thermo, CPA-L fixed mount type thermal image measuring device, TP series thermal imaging sensor, TP-U0260ES unit type body surface temperature checker, IR-SA series on-line infrared radiation thermometer, IR-CA series radiation thermometers, IR-CZ series radiation thermometers, IR-BA series high-speed compact radiation thermometers, IR-BZ series compact infrared thermometers, IR-S series radiation thermometers, IR-FA series fiber type radiation thermometer, and IR-ESC series scanning type radiation thermometers.

Product Portfolio

IR Thermometers	Particulars
Handhold Type	<ul style="list-style-type: none"> IR-HA Series: IR-HAI (300°C~1000°C), IR-HAS (600°C~2000°C), IR-HAQ (400°C~3000°C) IR-AH Series: IR-AHT (-50°C~1000°C), IR-AHS (600°C~3000°C), IR-AHU (900°C~3000°C) IR-TA Series (-40°C~500°C) IR-TE2 (-40°C~300°C) TP-S (-10°C~300°C) CPA-L (-40°C~2000°C)
On-Line Type	<ul style="list-style-type: none"> TP Series (-20°C~300°C, 100°C~800°C) TP-U0260ES (20°C~40°C) IR-SA Series: IR-SAB (0°C~1000°C), IR-SAI (300°C~1600°C), IR-SAS (600°C~2500°C), IR-SAH (900°C~2500°C) IR-CA Series: IR-CAB (-50°C~1000°C), IR-CAE (30°C~500°C), IR-CAP (80°C~800°C), IR-CAI (200°C~2000°C), IR-CAS (500°C~3500°C), IR-CAW (20°C~3000°C) IR-CZ Series: IR-CZP (80°C~1800°C), IR-CZI (200°C~2000°C), IR-CZS (450°C~3500°C), IR-CZH7 (900°C~3500°C), IR-CZQ2 (400°C~2000°C) IR-BA Series: IR-BAT1, IR-BAT2, IR-BATS: (0°C~300°C, 0°C~600°C) IR-BZ Series: IR-BZPHGE (0°C~1000°C) IR-FA Series: IR-FAC (70°C~800°C), IR-FA (150°C~3000°C), IR-FAQ (300°C~1500°C)
Scanner Type	<ul style="list-style-type: none"> IR-ESC Series (100°C~600°C)

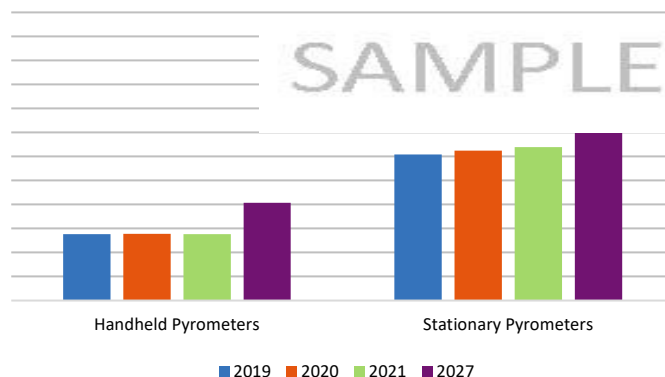
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SAMPLE TABLE/CHART

Glance at 2021 and 2027 Global Pyrometers Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World



Asia-Pacific Pyrometers Market Analysis (2018-2027) by Type – Handheld Pyrometers and Stationary Pyrometers in USD Million



KEY PLAYERS PROFILED

- Accurate Sensors Technologies Ltd.
- Advanced Energy Industries, Inc.
- AMETEK, Inc.
- AOIP SAS
- BARTEC Top Holding GmbH
- Calnex Electronics Limited
- CHINO Corporation (Japan)
- Fluke Corporation
- Keller HCW GmbH
- Micro-Epsilon Messtechnik
- Omega Engineering, Inc.
- OPTEX FA Co Ltd
- OPRIS GmbH
- OPTRON GmbH
- PCE Instruments UK Ltd
- Proxitron GmbH
- Pyromation, Inc.
- Pyrometer Instrument Company, Inc
- Tempsens Instruments (I) Pvt. Ltd.

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