

Global Sun Photometers Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Sun Photometers market size was valued at US\$ 131 million in 2025 and is forecast to a readjusted size of US\$ 201 million by 2032 with a CAGR of 6.2% during review period.

In 2025, global Sun Photometers production reached approximately 0.12 million units, with an average global market price of around US\$ 1000 per unit. Annual production capacity is 0.2 million units. Gross Profit Margin: 34%. A Sun Photometer is an optical instrument designed to measure the intensity of sunlight at specific wavelengths as it passes through the atmosphere. The sun photometer industry chain begins with upstream suppliers providing optical components, sensors, electronics, and materials such as lenses, photodiodes, and precision plastics or metals. Midstream manufacturers assemble these components into sun photometers, spectroradiometers, or light meters, incorporating calibration, software, and quality testing. Downstream, the products are distributed through scientific equipment distributors, research institutions, environmental agencies, universities, and e-commerce platforms, ultimately serving climate researchers, atmospheric scientists, and solar energy professionals. Sun photometers are indispensable tools for atmospheric and climate research, offering a cost-effective way to measure sunlight and aerosols with high precision.

This report is a detailed and comprehensive analysis for global Sun Photometers 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 2025, are provided.

Key Features:

Global Sun Photometers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Sun Photometers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Sun Photometers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Sun Photometers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Sun Photometers

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 Sun Photometers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Solar Light Company, LLC (Private, USA), CIMEL Electronique (Private, France), Hanna Instruments (Private, USA), Milwaukee Instruments (Private, USA), Lisun Electronics Inc. (Private, China), Instrument Systems Optische Messtechnik GmbH (Private, Germany), LMT Lichtmesstechnik GmbH (Private, Germany), TSI Inc. (NASDAQ: TSRI, USA), Teledyne Advanced Pollution Instrumentation (Private, USA), Konica Minolta Sensing Inc. (TYO: 4902, Japan), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Sun Photometers market is split by Type and by Application. For the period 2021-2032, 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

Handheld / Portable Units

Stationary / Fixed Installation Units

Market segment by Measurement Parameter

Aerosol Optical Depth (AOD) Measurement

Water Vapor Content Measurement

Solar Irradiance Measurement

Atmospheric Clarity / Air Quality Measurement

Market segment by Application

Environmental Monitoring Agencies

Meteorological Departments

Solar Power Companies & Renewable Energy Firms

Major players covered

Solar Light Company, LLC (Private, USA)

CIMEL Electronique (Private, France)

Hanna Instruments (Private, USA)

Milwaukee Instruments (Private, USA)

Lisun Electronics Inc. (Private, China)

Instrument Systems Optische Messtechnik GmbH (Private, Germany)

LMT Lichtmesstechnik GmbH (Private, Germany)

TSI Inc. (NASDAQ: TSRI, USA)

Teledyne Advanced Pollution Instrumentation (Private, USA)

Konica Minolta Sensing Inc. (TYO: 4902, Japan)

RayClouds Photoelectric Technology Co., Ltd (Private, China)

Bestone Industrial Ltd. (Private, China)

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 Sun Photometers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Sun Photometers, with price, sales quantity, revenue, and global market share of Sun Photometers from 2021 to 2026.

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

Chapter 4, the Sun Photometers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Sun Photometers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Sun Photometers.

Chapter 14 and 15, to describe Sun Photometers sales channel, distributors, customers, research findings and conclusion.

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