

Global Handheld Sunlight Meter Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Handheld Sunlight Meter market size is expected to reach \$ 1220 million by 2032, rising at a market growth of 5.8% CAGR during the forecast period (2026-2032).

In 2025, global Handheld Sunlight Meters production reached approximately 2.7 million units, with an average global market price of around US\$ 300 per unit. Annual production capacity is 3 million units. Gross Profit Margin: 34%. Handheld Sunlight Meters are portable devices used to measure solar irradiance, light intensity, or UV exposure. The handheld sunlight meter industry chain flows from sensor and component suppliers to manufacturers, then to distributors and end users in solar, agriculture, and research, with calibration and maintenance ensuring accuracy. Handheld sunlight meters are essential for anyone working with solar energy or agriculture—they provide quick, accurate, and portable measurements of solar irradiance, enabling optimal panel placement, crop planning, and environmental monitoring, all without the need for complex or stationary equipment.

This report studies the global Handheld Sunlight Meter production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Handheld Sunlight Meter 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 Handheld Sunlight Meter that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Handheld Sunlight Meter total production and demand, 2021-2032, (K Units)

Global Handheld Sunlight Meter total production value, 2021-2032, (USD Million)

Global Handheld Sunlight Meter production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Handheld Sunlight Meter consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Handheld Sunlight Meter domestic production, consumption, key domestic manufacturers and share

Global Handheld Sunlight Meter production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Handheld Sunlight Meter production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Handheld Sunlight Meter production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Handheld Sunlight Meter 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 Corporation (Fortive) (NYSE: FTV, USA), Teledyne FLIR (Teledyne Technologies) (NYSE: TDY, USA), Megger Group (Private, UK), Zobler Solar (Private, USA), PCE Instruments (Private, Germany), Extech Instruments (Teledyne/FLIR division) (Private, USA), Solmetric Corporation (Private, USA), Apogee Instruments (Private, USA), EKO Instruments (Private, Japan), Hukseflux Thermal Sensors (Private, Netherlands), 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 Handheld Sunlight Meter 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 Handheld Sunlight Meter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Handheld Sunlight Meter Market, Segmentation by Type:

Digital Handheld Sunlight Meters

Analog/Light-Sensitive Photodiode Meters

Global Handheld Sunlight Meter Market, Segmentation by Sensor Type:

Silicon photodiode sensors

Thermopile sensors

Pyranometer-based sensors

Global Handheld Sunlight Meter Market, Segmentation by Application:

Solar energy & PV system installation

Agriculture & horticulture

Environmental monitoring & research

Laboratory & educational applications

Construction & building lighting assessments

Companies Profiled:

Fluke Corporation (Fortive) (NYSE: FTV, USA)

Teledyne FLIR (Teledyne Technologies) (NYSE: TDY, USA)

Megger Group (Private, UK)

Zobler Solar (Private, USA)

PCE Instruments (Private, Germany)

Extech Instruments (Teledyne/FLIR division) (Private, USA)

Solmetric Corporation (Private, USA)

Apogee Instruments (Private, USA)

EKO Instruments (Private, Japan)

Hukseflux Thermal Sensors (Private, Netherlands)

Vaisala (NYSE: VAI, Finland)

Kipp & Zonen (Vaisala subsidiary) (NYSE: VAI, Netherlands/Finland)

OMEGA Engineering (Private, USA)

Key Questions Answered:

1. How big is the global Handheld Sunlight Meter market?
2. What is the demand of the global Handheld Sunlight Meter market?
3. What is the year over year growth of the global Handheld Sunlight Meter market?
4. What is the production and production value of the global Handheld Sunlight Meter market?
5. Who are the key producers in the global Handheld Sunlight Meter market?
6. What are the growth factors driving the market demand?

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