

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

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Abstracts

The global Handheld Sunlight Meters market size is expected to reach \$ 2111 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

In 2025, global Handheld Sunlight Meters production reached approximately 4.7 million units, with an average global market price of around US\$ 300 per unit. Annual production capacity is 5.2 million units. Gross Profit Margin: 35%. Handheld Sunlight Meters are portable devices used to measure solar irradiance (sunlight intensity) — typically expressed in W/m² (watts per square meter), although some models also display lux or foot-candles. The handheld sunlight meter industry chain starts with sensor and electronic component suppliers (photodiodes, thermopiles, filters), moves through instrument manufacturers that design and assemble handheld irradiance meters with calibration and firmware, and ends with distribution via test-equipment distributors, solar installers, and e-commerce channels to solar engineers, technicians, researchers, and environmental users. Handheld sunlight meters are invaluable for anyone working with solar energy or outdoor light-dependent applications.

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

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

Highlights and key features of the study

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

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

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

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

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

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

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

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

This report profiles key players in the global Handheld Sunlight Meters 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 (NYSE: FTV, USA), Teledyne FLIR (NYSE: TDY, USA), EKO Instruments Co., Ltd. (Private, Japan/USA), Apogee Instruments, Inc. (Private, USA), Hukseflux Thermal Sensors (Private, Netherlands/USA), LI?COR Biosciences (Private, USA), Solar Light Company, LLC (Private, USA), NRG Systems (Private, USA), Skye Instruments Ltd. (Private, UK), Campbell Scientific, Inc. (Private, USA), 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 Meters 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 Meters Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Handheld Sunlight Meters Market, Segmentation by Type:

Photodiode-based Sensors

Thermopile / Pyranometer Sensors

Combined Multi-Sensor Devices

Global Handheld Sunlight Meters Market, Segmentation by Measurement Range:

Low Range: 0–1,000 W/m²

Medium Range: 1,000–1,500 W/m²

High Range: >1,500 W/m²

Global Handheld Sunlight Meters Market, Segmentation by Application:

Environmental Monitoring Agencies

Agricultural & Horticultural Professionals

Researchers / Academic Institutes

Companies Profiled:

Fluke Corporation (NYSE: FTV, USA)

Teledyne FLIR (NYSE: TDY, USA)

EKO Instruments Co., Ltd. (Private, Japan/USA)

Apogee Instruments, Inc. (Private, USA)

Hukseflux Thermal Sensors (Private, Netherlands/USA)

LI?COR Biosciences (Private, USA)

Solar Light Company, LLC (Private, USA)

NRG Systems (Private, USA)

Skye Instruments Ltd. (Private, UK)

Campbell Scientific, Inc. (Private, USA)

Omega Engineering / Spectra Technologies (Private, USA)

Delta?T Devices Ltd. (Private, UK)

PCE Instruments GmbH (Private, Germany)

TENMARS Instrument (Private, Taiwan)

BGT Technology (Private, China)

Changsha Zoko Link Technology Co., Ltd. (Private, China)

Key Questions Answered:

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

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