

# Global Total Solar Radiation Pyranometer Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GD9BFFDD6A21EN.html>

Date: June 2026

Pages: 101

Price: US\$ 3,480.00 (Single User License)

ID: GD9BFFDD6A21EN

## Abstracts

According to our (Global Info Research) latest study, the global Total Solar Radiation Pyranometer market size was valued at US\$ 391 million in 2025 and is forecast to a readjusted size of US\$ 573 million by 2032 with a CAGR of 5.6% during review period.

A total solar radiation detector is a precision sensing device designed to measure the total solar radiation energy received per unit area. Typically based on thermopile or silicon photodetector technologies, these instruments are widely utilized in fields such as meteorological observation, photovoltaic power generation performance assessment, agro-ecological monitoring, and climate research. Their core function involves performing high-precision, continuous, or instantaneous measurements of global horizontal solar irradiance, and outputting standardized radiation data. The upstream segment of the total solar radiation detector industry chain comprises core components such as thermopile sensors, optical domes, radiation filters, high-precision glass covers, signal conditioning circuits, and data acquisition modules. The midstream segment encompasses sensor assembly, optical calibration, signal processing integration, and housing structure design—processes critical for ensuring measurement accuracy and environmental stability. Downstream applications span meteorological agencies, solar power stations, agricultural monitoring systems, environmental research institutions, and climate observation networks. Ancillary services include equipment installation, calibration, maintenance, and data validation, all aimed at ensuring long-term measurement accuracy, system reliability, and effective integration with meteorological data platforms. In 2025, the global production volume of total solar radiation detectors is projected to reach approximately 135,714 units, with a global average market unit price of approximately US\$2,800. The gross profit margins of key enterprises within this industry typically range between 38% and 55%. Also in 2025, the global production

capacity for total solar radiation detectors is estimated to be approximately 182,857 units.

This report is a detailed and comprehensive analysis for global Total Solar Radiation Pyranometer 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 Total Solar Radiation Pyranometer market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

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

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

Global Total Solar Radiation Pyranometer market shares of main players, shipments in revenue (\$ Million), sales quantity (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 Total Solar Radiation Pyranometer

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 Total Solar Radiation Pyranometer 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 Kipp & Zonen, Hukseflux, EKO Instruments, Apogee Instruments, LI-COR, Eppley Laboratory, Thies Clima, Lufft, Vaisala, Yigood, etc.

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

## Market Segmentation

Total Solar Radiation Pyranometer 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

Thermopile Pyranometer

Silicon Photodiode Pyranometer

Spectral Pyranometer

Secondary Standard Pyranometer

### Market segment by Time Response Performance

Fast Response:  $t < 1s$

Standard Response:  $1s < t < 20s$

Slow Response:  $t > 20s$

### Market segment by Application

PV Power Plant Monitoring

Agricultural Radiation Analysis

Environmental Impact Assessment

Others

#### Major players covered

Kipp & Zonen

Hukseflux

EKO Instruments

Apogee Instruments

LI-COR

Eppley Laboratory

Thies Clima

Lufft

Vaisala

Yigood

#### 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 Total Solar Radiation Pyranometer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Total Solar Radiation Pyranometer, with price, sales quantity, revenue, and global market share of Total Solar Radiation Pyranometer from 2021 to 2026.

Chapter 3, the Total Solar Radiation Pyranometer competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Total Solar Radiation Pyranometer 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 Total Solar Radiation Pyranometer 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 Total Solar Radiation Pyranometer.

Chapter 14 and 15, to describe Total Solar Radiation Pyranometer sales channel,

distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Total Solar Radiation Pyranometer Consumption Value by Type: 2021 Versus 2025 Versus 2032
  - 1.3.2 Thermopile Pyranometer
  - 1.3.3 Silicon Photodiode Pyranometer
  - 1.3.4 Spectral Pyranometer
  - 1.3.5 Secondary Standard Pyranometer
- 1.4 Market Analysis by Time Response Performance
  - 1.4.1 Overview: Global Total Solar Radiation Pyranometer Consumption Value by Time Response Performance: 2021 Versus 2025 Versus 2032
  - 1.4.2 Fast Response:  $t < 1s$
  - 1.4.3 Standard Response:  $1s < t < 20s$
  - 1.4.4 Slow Response:  $t > 20s$
- 1.5 Market Analysis by Application
  - 1.5.1 Overview: Global Total Solar Radiation Pyranometer Consumption Value by Application: 2021 Versus 2025 Versus 2032
  - 1.5.2 PV Power Plant Monitoring
  - 1.5.3 Agricultural Radiation Analysis
  - 1.5.4 Environmental Impact Assessment
  - 1.5.5 Others
- 1.6 Global Total Solar Radiation Pyranometer Market Size & Forecast
  - 1.6.1 Global Total Solar Radiation Pyranometer Consumption Value (2021 & 2025 & 2032)
  - 1.6.2 Global Total Solar Radiation Pyranometer Sales Quantity (2021-2032)
  - 1.6.3 Global Total Solar Radiation Pyranometer Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

- 2.1 Kipp & Zonen
  - 2.1.1 Kipp & Zonen Details
  - 2.1.2 Kipp & Zonen Major Business
  - 2.1.3 Kipp & Zonen Total Solar Radiation Pyranometer Product and Services
  - 2.1.4 Kipp & Zonen Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

- 2.1.5 Kipp & Zonen Recent Developments/Updates
- 2.2 Hukseflux
  - 2.2.1 Hukseflux Details
  - 2.2.2 Hukseflux Major Business
  - 2.2.3 Hukseflux Total Solar Radiation Pyranometer Product and Services
  - 2.2.4 Hukseflux Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.2.5 Hukseflux Recent Developments/Updates
- 2.3 EKO Instruments
  - 2.3.1 EKO Instruments Details
  - 2.3.2 EKO Instruments Major Business
  - 2.3.3 EKO Instruments Total Solar Radiation Pyranometer Product and Services
  - 2.3.4 EKO Instruments Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.3.5 EKO Instruments Recent Developments/Updates
- 2.4 Apogee Instruments
  - 2.4.1 Apogee Instruments Details
  - 2.4.2 Apogee Instruments Major Business
  - 2.4.3 Apogee Instruments Total Solar Radiation Pyranometer Product and Services
  - 2.4.4 Apogee Instruments Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 Apogee Instruments Recent Developments/Updates
- 2.5 LI-COR
  - 2.5.1 LI-COR Details
  - 2.5.2 LI-COR Major Business
  - 2.5.3 LI-COR Total Solar Radiation Pyranometer Product and Services
  - 2.5.4 LI-COR Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 LI-COR Recent Developments/Updates
- 2.6 Eppley Laboratory
  - 2.6.1 Eppley Laboratory Details
  - 2.6.2 Eppley Laboratory Major Business
  - 2.6.3 Eppley Laboratory Total Solar Radiation Pyranometer Product and Services
  - 2.6.4 Eppley Laboratory Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.6.5 Eppley Laboratory Recent Developments/Updates
- 2.7 Thies Clima
  - 2.7.1 Thies Clima Details
  - 2.7.2 Thies Clima Major Business

- 2.7.3 Thies Clima Total Solar Radiation Pyranometer Product and Services
- 2.7.4 Thies Clima Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.7.5 Thies Clima Recent Developments/Updates
- 2.8 Lufft
  - 2.8.1 Lufft Details
  - 2.8.2 Lufft Major Business
  - 2.8.3 Lufft Total Solar Radiation Pyranometer Product and Services
  - 2.8.4 Lufft Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.8.5 Lufft Recent Developments/Updates
- 2.9 Vaisala
  - 2.9.1 Vaisala Details
  - 2.9.2 Vaisala Major Business
  - 2.9.3 Vaisala Total Solar Radiation Pyranometer Product and Services
  - 2.9.4 Vaisala Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.9.5 Vaisala Recent Developments/Updates
- 2.10 Yigood
  - 2.10.1 Yigood Details
  - 2.10.2 Yigood Major Business
  - 2.10.3 Yigood Total Solar Radiation Pyranometer Product and Services
  - 2.10.4 Yigood Total Solar Radiation Pyranometer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.10.5 Yigood Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: TOTAL SOLAR RADIATION PYRANOMETER BY MANUFACTURER**

- 3.1 Global Total Solar Radiation Pyranometer Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Total Solar Radiation Pyranometer Revenue by Manufacturer (2021-2026)
- 3.3 Global Total Solar Radiation Pyranometer Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
  - 3.4.1 Producer Shipments of Total Solar Radiation Pyranometer by Manufacturer Revenue (\$MM) and Market Share (%): 2025
  - 3.4.2 Top 3 Total Solar Radiation Pyranometer Manufacturer Market Share in 2025
  - 3.4.3 Top 6 Total Solar Radiation Pyranometer Manufacturer Market Share in 2025

### 3.5 Total Solar Radiation Pyranometer Market: Overall Company Footprint Analysis

#### 3.5.1 Total Solar Radiation Pyranometer Market: Region Footprint

#### 3.5.2 Total Solar Radiation Pyranometer Market: Company Product Type Footprint

#### 3.5.3 Total Solar Radiation Pyranometer Market: Company Product Application Footprint

### 3.6 New Market Entrants and Barriers to Market Entry

### 3.7 Mergers, Acquisition, Agreements, and Collaborations

## 4 CONSUMPTION ANALYSIS BY REGION

### 4.1 Global Total Solar Radiation Pyranometer Market Size by Region

#### 4.1.1 Global Total Solar Radiation Pyranometer Sales Quantity by Region (2021-2032)

#### 4.1.2 Global Total Solar Radiation Pyranometer Consumption Value by Region (2021-2032)

#### 4.1.3 Global Total Solar Radiation Pyranometer Average Price by Region (2021-2032)

### 4.2 North America Total Solar Radiation Pyranometer Consumption Value (2021-2032)

### 4.3 Europe Total Solar Radiation Pyranometer Consumption Value (2021-2032)

### 4.4 Asia-Pacific Total Solar Radiation Pyranometer Consumption Value (2021-2032)

### 4.5 South America Total Solar Radiation Pyranometer Consumption Value (2021-2032)

### 4.6 Middle East & Africa Total Solar Radiation Pyranometer Consumption Value (2021-2032)

## 5 MARKET SEGMENT BY TYPE

### 5.1 Global Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2032)

### 5.2 Global Total Solar Radiation Pyranometer Consumption Value by Type (2021-2032)

### 5.3 Global Total Solar Radiation Pyranometer Average Price by Type (2021-2032)

## 6 MARKET SEGMENT BY APPLICATION

### 6.1 Global Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2032)

### 6.2 Global Total Solar Radiation Pyranometer Consumption Value by Application (2021-2032)

### 6.3 Global Total Solar Radiation Pyranometer Average Price by Application (2021-2032)

## 7 NORTH AMERICA

### 7.1 North America Total Solar Radiation Pyranometer Sales Quantity by Type

(2021-2032)

7.2 North America Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2032)

7.3 North America Total Solar Radiation Pyranometer Market Size by Country

7.3.1 North America Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2032)

7.3.2 North America Total Solar Radiation Pyranometer Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

## **8 EUROPE**

8.1 Europe Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2032)

8.2 Europe Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2032)

8.3 Europe Total Solar Radiation Pyranometer Market Size by Country

8.3.1 Europe Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2032)

8.3.2 Europe Total Solar Radiation Pyranometer Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Total Solar Radiation Pyranometer Market Size by Region

9.3.1 Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Total Solar Radiation Pyranometer Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

- 9.3.4 Japan Market Size and Forecast (2021-2032)
- 9.3.5 South Korea Market Size and Forecast (2021-2032)
- 9.3.6 India Market Size and Forecast (2021-2032)
- 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
- 9.3.8 Australia Market Size and Forecast (2021-2032)

## **10 SOUTH AMERICA**

- 10.1 South America Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2032)
- 10.2 South America Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2032)
- 10.3 South America Total Solar Radiation Pyranometer Market Size by Country
  - 10.3.1 South America Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2032)
  - 10.3.2 South America Total Solar Radiation Pyranometer Consumption Value by Country (2021-2032)
  - 10.3.3 Brazil Market Size and Forecast (2021-2032)
  - 10.3.4 Argentina Market Size and Forecast (2021-2032)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Total Solar Radiation Pyranometer Market Size by Country
  - 11.3.1 Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2032)
  - 11.3.2 Middle East & Africa Total Solar Radiation Pyranometer Consumption Value by Country (2021-2032)
  - 11.3.3 Turkey Market Size and Forecast (2021-2032)
  - 11.3.4 Egypt Market Size and Forecast (2021-2032)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
  - 11.3.6 South Africa Market Size and Forecast (2021-2032)

## **12 MARKET DYNAMICS**

- 12.1 Total Solar Radiation Pyranometer Market Drivers

12.2 Total Solar Radiation Pyranometer Market Restraints

12.3 Total Solar Radiation Pyranometer Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Total Solar Radiation Pyranometer and Key Manufacturers

13.2 Manufacturing Costs Percentage of Total Solar Radiation Pyranometer

13.3 Total Solar Radiation Pyranometer Production Process

13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Total Solar Radiation Pyranometer Typical Distributors

14.3 Total Solar Radiation Pyranometer Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. Global Total Solar Radiation Pyranometer Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Table 2. Global Total Solar Radiation Pyranometer Consumption Value by Time Response Performance, (USD Million), 2021 & 2025 & 2032
- Table 3. Global Total Solar Radiation Pyranometer Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 4. Kipp & Zonen Basic Information, Manufacturing Base and Competitors
- Table 5. Kipp & Zonen Major Business
- Table 6. Kipp & Zonen Total Solar Radiation Pyranometer Product and Services
- Table 7. Kipp & Zonen Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 8. Kipp & Zonen Recent Developments/Updates
- Table 9. Hukseflux Basic Information, Manufacturing Base and Competitors
- Table 10. Hukseflux Major Business
- Table 11. Hukseflux Total Solar Radiation Pyranometer Product and Services
- Table 12. Hukseflux Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 13. Hukseflux Recent Developments/Updates
- Table 14. EKO Instruments Basic Information, Manufacturing Base and Competitors
- Table 15. EKO Instruments Major Business
- Table 16. EKO Instruments Total Solar Radiation Pyranometer Product and Services
- Table 17. EKO Instruments Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 18. EKO Instruments Recent Developments/Updates
- Table 19. Apogee Instruments Basic Information, Manufacturing Base and Competitors
- Table 20. Apogee Instruments Major Business
- Table 21. Apogee Instruments Total Solar Radiation Pyranometer Product and Services
- Table 22. Apogee Instruments Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 23. Apogee Instruments Recent Developments/Updates
- Table 24. LI-COR Basic Information, Manufacturing Base and Competitors
- Table 25. LI-COR Major Business

- Table 26. LI-COR Total Solar Radiation Pyranometer Product and Services
- Table 27. LI-COR Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 28. LI-COR Recent Developments/Updates
- Table 29. Eppley Laboratory Basic Information, Manufacturing Base and Competitors
- Table 30. Eppley Laboratory Major Business
- Table 31. Eppley Laboratory Total Solar Radiation Pyranometer Product and Services
- Table 32. Eppley Laboratory Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 33. Eppley Laboratory Recent Developments/Updates
- Table 34. Thies Clima Basic Information, Manufacturing Base and Competitors
- Table 35. Thies Clima Major Business
- Table 36. Thies Clima Total Solar Radiation Pyranometer Product and Services
- Table 37. Thies Clima Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 38. Thies Clima Recent Developments/Updates
- Table 39. Lufft Basic Information, Manufacturing Base and Competitors
- Table 40. Lufft Major Business
- Table 41. Lufft Total Solar Radiation Pyranometer Product and Services
- Table 42. Lufft Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 43. Lufft Recent Developments/Updates
- Table 44. Vaisala Basic Information, Manufacturing Base and Competitors
- Table 45. Vaisala Major Business
- Table 46. Vaisala Total Solar Radiation Pyranometer Product and Services
- Table 47. Vaisala Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 48. Vaisala Recent Developments/Updates
- Table 49. Yigood Basic Information, Manufacturing Base and Competitors
- Table 50. Yigood Major Business
- Table 51. Yigood Total Solar Radiation Pyranometer Product and Services
- Table 52. Yigood Total Solar Radiation Pyranometer Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 53. Yigood Recent Developments/Updates
- Table 54. Global Total Solar Radiation Pyranometer Sales Quantity by Manufacturer (2021-2026) & (Units)
- Table 55. Global Total Solar Radiation Pyranometer Revenue by Manufacturer

(2021-2026) & (USD Million)

Table 56. Global Total Solar Radiation Pyranometer Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 57. Market Position of Manufacturers in Total Solar Radiation Pyranometer, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 58. Head Office and Total Solar Radiation Pyranometer Production Site of Key Manufacturer

Table 59. Total Solar Radiation Pyranometer Market: Company Product Type Footprint

Table 60. Total Solar Radiation Pyranometer Market: Company Product Application Footprint

Table 61. Total Solar Radiation Pyranometer New Market Entrants and Barriers to Market Entry

Table 62. Total Solar Radiation Pyranometer Mergers, Acquisition, Agreements, and Collaborations

Table 63. Global Total Solar Radiation Pyranometer Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 64. Global Total Solar Radiation Pyranometer Sales Quantity by Region (2021-2026) & (Units)

Table 65. Global Total Solar Radiation Pyranometer Sales Quantity by Region (2027-2032) & (Units)

Table 66. Global Total Solar Radiation Pyranometer Consumption Value by Region (2021-2026) & (USD Million)

Table 67. Global Total Solar Radiation Pyranometer Consumption Value by Region (2027-2032) & (USD Million)

Table 68. Global Total Solar Radiation Pyranometer Average Price by Region (2021-2026) & (US\$/Unit)

Table 69. Global Total Solar Radiation Pyranometer Average Price by Region (2027-2032) & (US\$/Unit)

Table 70. Global Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2026) & (Units)

Table 71. Global Total Solar Radiation Pyranometer Sales Quantity by Type (2027-2032) & (Units)

Table 72. Global Total Solar Radiation Pyranometer Consumption Value by Type (2021-2026) & (USD Million)

Table 73. Global Total Solar Radiation Pyranometer Consumption Value by Type (2027-2032) & (USD Million)

Table 74. Global Total Solar Radiation Pyranometer Average Price by Type (2021-2026) & (US\$/Unit)

Table 75. Global Total Solar Radiation Pyranometer Average Price by Type

(2027-2032) & (US\$/Unit)

Table 76. Global Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2026) & (Units)

Table 77. Global Total Solar Radiation Pyranometer Sales Quantity by Application (2027-2032) & (Units)

Table 78. Global Total Solar Radiation Pyranometer Consumption Value by Application (2021-2026) & (USD Million)

Table 79. Global Total Solar Radiation Pyranometer Consumption Value by Application (2027-2032) & (USD Million)

Table 80. Global Total Solar Radiation Pyranometer Average Price by Application (2021-2026) & (US\$/Unit)

Table 81. Global Total Solar Radiation Pyranometer Average Price by Application (2027-2032) & (US\$/Unit)

Table 82. North America Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2026) & (Units)

Table 83. North America Total Solar Radiation Pyranometer Sales Quantity by Type (2027-2032) & (Units)

Table 84. North America Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2026) & (Units)

Table 85. North America Total Solar Radiation Pyranometer Sales Quantity by Application (2027-2032) & (Units)

Table 86. North America Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2026) & (Units)

Table 87. North America Total Solar Radiation Pyranometer Sales Quantity by Country (2027-2032) & (Units)

Table 88. North America Total Solar Radiation Pyranometer Consumption Value by Country (2021-2026) & (USD Million)

Table 89. North America Total Solar Radiation Pyranometer Consumption Value by Country (2027-2032) & (USD Million)

Table 90. Europe Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2026) & (Units)

Table 91. Europe Total Solar Radiation Pyranometer Sales Quantity by Type (2027-2032) & (Units)

Table 92. Europe Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2026) & (Units)

Table 93. Europe Total Solar Radiation Pyranometer Sales Quantity by Application (2027-2032) & (Units)

Table 94. Europe Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2026) & (Units)

Table 95. Europe Total Solar Radiation Pyranometer Sales Quantity by Country (2027-2032) & (Units)

Table 96. Europe Total Solar Radiation Pyranometer Consumption Value by Country (2021-2026) & (USD Million)

Table 97. Europe Total Solar Radiation Pyranometer Consumption Value by Country (2027-2032) & (USD Million)

Table 98. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2026) & (Units)

Table 99. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Type (2027-2032) & (Units)

Table 100. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2026) & (Units)

Table 101. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Application (2027-2032) & (Units)

Table 102. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Region (2021-2026) & (Units)

Table 103. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity by Region (2027-2032) & (Units)

Table 104. Asia-Pacific Total Solar Radiation Pyranometer Consumption Value by Region (2021-2026) & (USD Million)

Table 105. Asia-Pacific Total Solar Radiation Pyranometer Consumption Value by Region (2027-2032) & (USD Million)

Table 106. South America Total Solar Radiation Pyranometer Sales Quantity by Type (2021-2026) & (Units)

Table 107. South America Total Solar Radiation Pyranometer Sales Quantity by Type (2027-2032) & (Units)

Table 108. South America Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2026) & (Units)

Table 109. South America Total Solar Radiation Pyranometer Sales Quantity by Application (2027-2032) & (Units)

Table 110. South America Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2026) & (Units)

Table 111. South America Total Solar Radiation Pyranometer Sales Quantity by Country (2027-2032) & (Units)

Table 112. South America Total Solar Radiation Pyranometer Consumption Value by Country (2021-2026) & (USD Million)

Table 113. South America Total Solar Radiation Pyranometer Consumption Value by Country (2027-2032) & (USD Million)

Table 114. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by

Type (2021-2026) & (Units)

Table 115. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Type (2027-2032) & (Units)

Table 116. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Application (2021-2026) & (Units)

Table 117. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Application (2027-2032) & (Units)

Table 118. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Country (2021-2026) & (Units)

Table 119. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity by Country (2027-2032) & (Units)

Table 120. Middle East & Africa Total Solar Radiation Pyranometer Consumption Value by Country (2021-2026) & (USD Million)

Table 121. Middle East & Africa Total Solar Radiation Pyranometer Consumption Value by Country (2027-2032) & (USD Million)

Table 122. Total Solar Radiation Pyranometer Raw Material

Table 123. Key Manufacturers of Total Solar Radiation Pyranometer Raw Materials

Table 124. Total Solar Radiation Pyranometer Typical Distributors

Table 125. Total Solar Radiation Pyranometer Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Total Solar Radiation Pyranometer Picture

Figure 2. Global Total Solar Radiation Pyranometer Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Total Solar Radiation Pyranometer Revenue Market Share by Type in 2025

Figure 4. Thermopile Pyranometer Examples

Figure 5. Silicon Photodiode Pyranometer Examples

Figure 6. Spectral Pyranometer Examples

Figure 7. Secondary Standard Pyranometer Examples

Figure 8. Global Total Solar Radiation Pyranometer Revenue by Time Response Performance, (USD Million), 2021 & 2025 & 2032

Figure 9. Global Total Solar Radiation Pyranometer Revenue Market Share by Time Response Performance in 2025

Figure 10. Fast Response:  $t < 5s$  Examples

Figure 11. Standard Response:  $5s < t < 20s$  Examples

Figure 12. Slow Response:  $t > 20s$  Examples

Figure 13. Global Total Solar Radiation Pyranometer Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 14. Global Total Solar Radiation Pyranometer Revenue Market Share by Application in 2025

Figure 15. PV Power Plant Monitoring Examples

Figure 16. Agricultural Radiation Analysis Examples

Figure 17. Environmental Impact Assessment Examples

Figure 18. Others Examples

Figure 19. Global Total Solar Radiation Pyranometer Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 20. Global Total Solar Radiation Pyranometer Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 21. Global Total Solar Radiation Pyranometer Sales Quantity (2021-2032) & (Units)

Figure 22. Global Total Solar Radiation Pyranometer Price (2021-2032) & (US\$/Unit)

Figure 23. Global Total Solar Radiation Pyranometer Sales Quantity Market Share by Manufacturer in 2025

Figure 24. Global Total Solar Radiation Pyranometer Revenue Market Share by Manufacturer in 2025

Figure 25. Producer Shipments of Total Solar Radiation Pyranometer by Manufacturer

Sales (\$MM) and Market Share (%): 2025

Figure 26. Top 3 Total Solar Radiation Pyranometer Manufacturer (Revenue) Market Share in 2025

Figure 27. Top 6 Total Solar Radiation Pyranometer Manufacturer (Revenue) Market Share in 2025

Figure 28. Global Total Solar Radiation Pyranometer Sales Quantity Market Share by Region (2021-2032)

Figure 29. Global Total Solar Radiation Pyranometer Consumption Value Market Share by Region (2021-2032)

Figure 30. North America Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 31. Europe Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 32. Asia-Pacific Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 33. South America Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 34. Middle East & Africa Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 35. Global Total Solar Radiation Pyranometer Sales Quantity Market Share by Type (2021-2032)

Figure 36. Global Total Solar Radiation Pyranometer Consumption Value Market Share by Type (2021-2032)

Figure 37. Global Total Solar Radiation Pyranometer Average Price by Type (2021-2032) & (US\$/Unit)

Figure 38. Global Total Solar Radiation Pyranometer Sales Quantity Market Share by Application (2021-2032)

Figure 39. Global Total Solar Radiation Pyranometer Revenue Market Share by Application (2021-2032)

Figure 40. Global Total Solar Radiation Pyranometer Average Price by Application (2021-2032) & (US\$/Unit)

Figure 41. North America Total Solar Radiation Pyranometer Sales Quantity Market Share by Type (2021-2032)

Figure 42. North America Total Solar Radiation Pyranometer Sales Quantity Market Share by Application (2021-2032)

Figure 43. North America Total Solar Radiation Pyranometer Sales Quantity Market Share by Country (2021-2032)

Figure 44. North America Total Solar Radiation Pyranometer Consumption Value Market Share by Country (2021-2032)

Figure 45. United States Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 46. Canada Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 47. Mexico Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 48. Europe Total Solar Radiation Pyranometer Sales Quantity Market Share by Type (2021-2032)

Figure 49. Europe Total Solar Radiation Pyranometer Sales Quantity Market Share by Application (2021-2032)

Figure 50. Europe Total Solar Radiation Pyranometer Sales Quantity Market Share by Country (2021-2032)

Figure 51. Europe Total Solar Radiation Pyranometer Consumption Value Market Share by Country (2021-2032)

Figure 52. Germany Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 53. France Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 54. United Kingdom Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 55. Russia Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 56. Italy Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 57. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity Market Share by Type (2021-2032)

Figure 58. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity Market Share by Application (2021-2032)

Figure 59. Asia-Pacific Total Solar Radiation Pyranometer Sales Quantity Market Share by Region (2021-2032)

Figure 60. Asia-Pacific Total Solar Radiation Pyranometer Consumption Value Market Share by Region (2021-2032)

Figure 61. China Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 62. Japan Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 63. South Korea Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 64. India Total Solar Radiation Pyranometer Consumption Value (2021-2032) &

(USD Million)

Figure 65. Southeast Asia Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 66. Australia Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 67. South America Total Solar Radiation Pyranometer Sales Quantity Market Share by Type (2021-2032)

Figure 68. South America Total Solar Radiation Pyranometer Sales Quantity Market Share by Application (2021-2032)

Figure 69. South America Total Solar Radiation Pyranometer Sales Quantity Market Share by Country (2021-2032)

Figure 70. South America Total Solar Radiation Pyranometer Consumption Value Market Share by Country (2021-2032)

Figure 71. Brazil Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 72. Argentina Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 73. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity Market Share by Type (2021-2032)

Figure 74. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity Market Share by Application (2021-2032)

Figure 75. Middle East & Africa Total Solar Radiation Pyranometer Sales Quantity Market Share by Country (2021-2032)

Figure 76. Middle East & Africa Total Solar Radiation Pyranometer Consumption Value Market Share by Country (2021-2032)

Figure 77. Turkey Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 78. Egypt Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 79. Saudi Arabia Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 80. South Africa Total Solar Radiation Pyranometer Consumption Value (2021-2032) & (USD Million)

Figure 81. Total Solar Radiation Pyranometer Market Drivers

Figure 82. Total Solar Radiation Pyranometer Market Restraints

Figure 83. Total Solar Radiation Pyranometer Market Trends

Figure 84. Porters Five Forces Analysis

Figure 85. Manufacturing Cost Structure Analysis of Total Solar Radiation Pyranometer in 2025

Figure 86. Manufacturing Process Analysis of Total Solar Radiation Pyranometer

Figure 87. Total Solar Radiation Pyranometer Industrial Chain

Figure 88. Sales Channel: Direct to End-User vs Distributors

Figure 89. Direct Channel Pros & Cons

Figure 90. Indirect Channel Pros & Cons

Figure 91. Methodology

Figure 92. Research Process and Data Source

## I would like to order

Product name: Global Total Solar Radiation Pyranometer Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GD9BFFDD6A21EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD9BFFDD6A21EN.html>