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Global Photosynthetically Active Radiation (PAR) Sensors 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 Photosynthetically Active Radiation (PAR) Sensors market size was valued at US$ 521 million in 2025 and is forecast to a readjusted size of US$ 814 million by 2032 with a CAGR of 6.6% during review period.

PAR sensors play a crucial role in optimizing crop growth and yield in agriculture. There is a growing demand for these sensors in the agriculture sector as farmers and growers adopt precision agriculture practices to enhance crop productivity.

PAR sensors are increasingly being integrated into smart agriculture systems and precision farming technologies. This integration allows for real-time monitoring of light conditions in fields, greenhouses, and vertical farms, enabling more efficient and sustainable crop management.

This report is a detailed and comprehensive analysis for global Photosynthetically Active Radiation (PAR) Sensors 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:

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Global Photosynthetically Active Radiation (PAR) Sensors market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Photosynthetically Active Radiation (PAR) Sensors 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 Photosynthetically Active Radiation (PAR) Sensors 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 Photosynthetically Active Radiation (PAR) Sensors 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 Photosynthetically Active Radiation (PAR) Sensors

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 Photosynthetically Active Radiation (PAR) Sensors 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 Darrera, Aranet, SenTec, METER Group, Rika Sensors, LI-COR Biosciences, Munro Instruments, Zoko Link Technology, Apogee Instruments, Sea-Bird Scientific, etc.

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

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Market Segmentation

Photosynthetically Active Radiation (PAR) Sensors 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

Underwater Sensor

Ground Sensor

Market segment by Application

Horticulture and Agricultural

Scientific Research

Major players covered

Darrera

Aranet

SenTec

METER Group

Rika Sensors

LI-COR Biosciences

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Munro Instruments

Zoko Link Technology

Apogee Instruments

Sea-Bird Scientific

Walz

Odyssey

Envco

JFE Advantech

Omni Instruments

Onset

Kipp&Zonen

EKO

Shandong Renke Control Technolog

Hunan Rika Electronic Tec

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)

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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 Photosynthetically Active Radiation (PAR) Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Photosynthetically Active Radiation (PAR) Sensors, with price, sales quantity, revenue, and global market share of Photosynthetically Active Radiation (PAR) Sensors from 2021 to 2026.

Chapter 3, the Photosynthetically Active Radiation (PAR) Sensors competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Photosynthetically Active Radiation (PAR) Sensors 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 Photosynthetically Active Radiation (PAR) Sensors 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 Photosynthetically Active Radiation (PAR) Sensors.

Chapter 14 and 15, to describe Photosynthetically Active Radiation (PAR) Sensors sales channel, distributors, customers, research findings and conclusion.

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