

Global Handheld Meteorological Element Observer 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 Handheld Meteorological Element Observer market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

A handheld meteorological element observer is a portable instrument used to measure and record various meteorological elements in the atmospheric environment. These meteorological elements may include temperature, humidity, air pressure, wind speed, wind direction, etc. These devices are usually designed to be handheld, making them easy to carry and perform meteorological observations in different locations.

The market demand for handheld meteorological element observers is constantly growing, especially in situations where mobile meteorological monitoring is required, such as field exploration, disaster relief, agriculture, etc. With the advancement of science and technology, the performance and accuracy of these instruments are also constantly improving, providing their market with broader development prospects.

This report is a detailed and comprehensive analysis for global Handheld Meteorological Element Observer 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 Handheld Meteorological Element Observer market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Handheld Meteorological Element Observer 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 Handheld Meteorological Element Observer 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 Handheld Meteorological Element Observer 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 Handheld Meteorological Element Observer

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 Handheld Meteorological Element Observer 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 Shandong Fengtu Internet of Things Technology Co., Ltd., Anhui Landun Optoelectronics Co., Ltd., Davis Instruments, Kestrel, Vaisala, HIOKI E.E. Corporation, Lufft, Columbia Weather Systems, Testo, Gill Instruments, etc.

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

Market Segmentation

Handheld Meteorological Element Observer 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

Thermometer

Anemometer

Barometer

Market segment by Application

Wild Adventure

Agriculture

Disaster Monitoring

Aviation and Aerospace

Marine Research

Sporting Events

Others

Major players covered

Shandong Fengtu Internet of Things Technology Co., Ltd.

Anhui Landun Optoelectronics Co., Ltd.

Davis Instruments

Kestrel

Vaisala

HIOKI E.E. Corporation

Lufft

Columbia Weather Systems

Testo

Gill Instruments

Rotronic

Omega Engineering

Hunan Guotian Electronic Technology Co., Ltd.

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 Handheld Meteorological Element Observer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Handheld Meteorological Element Observer, with price, sales quantity, revenue, and global market share of Handheld Meteorological Element Observer from 2021 to 2026.

Chapter 3, the Handheld Meteorological Element Observer competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Handheld Meteorological Element Observer 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 Handheld Meteorological Element Observer 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 Handheld Meteorological Element Observer.

Chapter 14 and 15, to describe Handheld Meteorological Element Observer sales channel, distributors, customers, research findings and conclusion.

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