

# Global Compact Digital Weather Sensor Market Research Report 2026(Status and Outlook)

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## Abstracts

Compact digital weather sensors are integrated, miniaturized, multi-parameter environmental monitoring devices that can collect real-time meteorological data such as temperature, humidity, wind speed, wind direction, atmospheric pressure, precipitation, etc. through built-in high-precision sensor elements, and transmit them to data terminals or cloud platforms in the form of digital signal output. Such sensors usually have the characteristics of compact structure, low power consumption, fast response, easy installation and maintenance, and are widely used in scenarios such as smart agriculture, smart cities, transportation, environmental monitoring, and automated weather stations. They are one of the key devices for achieving all-weather, high-efficiency meteorological data collection.

The global Compact Digital Weather Sensor market size was estimated at USD 637.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 4.10% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Compact Digital Weather Sensor market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Compact Digital Weather Sensor market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Compact Digital Weather Sensor market.

### **Global Compact Digital Weather Sensor Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

### **Key Company**

Met One  
ENVIRA  
Vaisala  
RM Young  
Campbell Scientific  
Lufft  
Meter Group  
Aeron Systems  
Ahlborn  
PULSONIC  
BARANI DESIGN Technologies  
Davis Instruments

Gill Instruments  
OTT HydroMet

### **Market Segmentation (by Type)**

Portable Type  
Fixed Type

### **Market Segmentation (by Application)**

Agriculture  
Industrial  
Military  
Others

### **Geographic Segmentation**

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

### **Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study  
Neutral perspective on the market performance  
Recent industry trends and developments  
Competitive landscape & strategies of key players  
Potential & niche segments and regions exhibiting promising growth covered  
Historical, current, and projected market size, in terms of value  
In-depth analysis of the Compact Digital Weather Sensor Market

Overview of the regional outlook of the Compact Digital Weather Sensor Market:

## **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## **Chapter Outline**

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Compact Digital Weather Sensor Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future

development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Compact Digital Weather Sensor, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

### **Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the

region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## **Customization of the Report**

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## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Compact Digital Weather Sensor
- 1.2 Key Market Segments
  - 1.2.1 Compact Digital Weather Sensor Segment by Type
  - 1.2.2 Compact Digital Weather Sensor Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 COMPACT DIGITAL WEATHER SENSOR MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Compact Digital Weather Sensor Market Size (M USD) Estimates and Forecasts (2020-2035)
  - 2.1.2 Global Compact Digital Weather Sensor Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 COMPACT DIGITAL WEATHER SENSOR MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global Compact Digital Weather Sensor Product Life Cycle
- 3.3 Global Compact Digital Weather Sensor Sales by Manufacturers (2020-2025)
- 3.4 Global Compact Digital Weather Sensor Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Compact Digital Weather Sensor Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Compact Digital Weather Sensor Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Compact Digital Weather Sensor Market Competitive Situation and Trends
  - 3.8.1 Compact Digital Weather Sensor Market Concentration Rate

3.8.2 Global 5 and 10 Largest Compact Digital Weather Sensor Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

## **4 COMPACT DIGITAL WEATHER SENSOR INDUSTRY CHAIN ANALYSIS**

4.1 Compact Digital Weather Sensor Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF COMPACT DIGITAL WEATHER SENSOR MARKET**

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Compact Digital Weather Sensor Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Compact Digital Weather Sensor Market

5.7 ESG Ratings of Leading Companies

## **6 COMPACT DIGITAL WEATHER SENSOR MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Compact Digital Weather Sensor Sales Market Share by Type (2020-2025)

6.3 Global Compact Digital Weather Sensor Market Size by Type (2020-2025)

6.4 Global Compact Digital Weather Sensor Price by Type (2020-2025)

## **7 COMPACT DIGITAL WEATHER SENSOR MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Compact Digital Weather Sensor Market Sales by Application (2020-2025)

7.3 Global Compact Digital Weather Sensor Market Size (M USD) by Application (2020-2025)

7.4 Global Compact Digital Weather Sensor Sales Growth Rate by Application (2020-2025)

## **8 COMPACT DIGITAL WEATHER SENSOR MARKET SALES BY REGION**

8.1 Global Compact Digital Weather Sensor Sales by Region

8.1.1 Global Compact Digital Weather Sensor Sales by Region

8.1.2 Global Compact Digital Weather Sensor Sales Market Share by Region

8.2 Global Compact Digital Weather Sensor Market Size by Region

8.2.1 Global Compact Digital Weather Sensor Market Size by Region

8.2.2 Global Compact Digital Weather Sensor Market Size by Region

8.3 North America

8.3.1 North America Compact Digital Weather Sensor Sales by Country

8.3.2 North America Compact Digital Weather Sensor Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Compact Digital Weather Sensor Sales by Country

8.4.2 Europe Compact Digital Weather Sensor Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Compact Digital Weather Sensor Sales by Region

8.5.2 Asia Pacific Compact Digital Weather Sensor Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
  - 8.6.1 South America Compact Digital Weather Sensor Sales by Country
  - 8.6.2 South America Compact Digital Weather Sensor Market Size by Country
  - 8.6.3 Brazil Market Overview
  - 8.6.4 Argentina Market Overview
  - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
  - 8.7.1 Middle East and Africa Compact Digital Weather Sensor Sales by Region
  - 8.7.2 Middle East and Africa Compact Digital Weather Sensor Market Size by Region
  - 8.7.3 Saudi Arabia Market Overview
  - 8.7.4 UAE Market Overview
  - 8.7.5 Egypt Market Overview
  - 8.7.6 Nigeria Market Overview
  - 8.7.7 South Africa Market Overview

## **9 COMPACT DIGITAL WEATHER SENSOR MARKET PRODUCTION BY REGION**

- 9.1 Global Production of Compact Digital Weather Sensor by Region(2020-2025)
- 9.2 Global Compact Digital Weather Sensor Revenue Market Share by Region (2020-2025)
- 9.3 Global Compact Digital Weather Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Compact Digital Weather Sensor Production
  - 9.4.1 North America Compact Digital Weather Sensor Production Growth Rate (2020-2025)
  - 9.4.2 North America Compact Digital Weather Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Compact Digital Weather Sensor Production
  - 9.5.1 Europe Compact Digital Weather Sensor Production Growth Rate (2020-2025)
  - 9.5.2 Europe Compact Digital Weather Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Compact Digital Weather Sensor Production (2020-2025)
  - 9.6.1 Japan Compact Digital Weather Sensor Production Growth Rate (2020-2025)
  - 9.6.2 Japan Compact Digital Weather Sensor Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Compact Digital Weather Sensor Production (2020-2025)

- 9.7.1 China Compact Digital Weather Sensor Production Growth Rate (2020-2025)
- 9.7.2 China Compact Digital Weather Sensor Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

### 10.1 Met One

- 10.1.1 Met One Basic Information
- 10.1.2 Met One Compact Digital Weather Sensor Product Overview
- 10.1.3 Met One Compact Digital Weather Sensor Product Market Performance
- 10.1.4 Met One Business Overview
- 10.1.5 Met One SWOT Analysis
- 10.1.6 Met One Recent Developments

### 10.2 ENVIRA

- 10.2.1 ENVIRA Basic Information
- 10.2.2 ENVIRA Compact Digital Weather Sensor Product Overview
- 10.2.3 ENVIRA Compact Digital Weather Sensor Product Market Performance
- 10.2.4 ENVIRA Business Overview
- 10.2.5 ENVIRA SWOT Analysis
- 10.2.6 ENVIRA Recent Developments

### 10.3 Vaisala

- 10.3.1 Vaisala Basic Information
- 10.3.2 Vaisala Compact Digital Weather Sensor Product Overview
- 10.3.3 Vaisala Compact Digital Weather Sensor Product Market Performance
- 10.3.4 Vaisala Business Overview
- 10.3.5 Vaisala SWOT Analysis
- 10.3.6 Vaisala Recent Developments

### 10.4 RM Young

- 10.4.1 RM Young Basic Information
- 10.4.2 RM Young Compact Digital Weather Sensor Product Overview
- 10.4.3 RM Young Compact Digital Weather Sensor Product Market Performance
- 10.4.4 RM Young Business Overview
- 10.4.5 RM Young Recent Developments

### 10.5 Campbell Scientific

- 10.5.1 Campbell Scientific Basic Information
- 10.5.2 Campbell Scientific Compact Digital Weather Sensor Product Overview
- 10.5.3 Campbell Scientific Compact Digital Weather Sensor Product Market Performance
- 10.5.4 Campbell Scientific Business Overview

- 10.5.5 Campbell Scientific Recent Developments
- 10.6 Lufft
  - 10.6.1 Lufft Basic Information
  - 10.6.2 Lufft Compact Digital Weather Sensor Product Overview
  - 10.6.3 Lufft Compact Digital Weather Sensor Product Market Performance
  - 10.6.4 Lufft Business Overview
  - 10.6.5 Lufft Recent Developments
- 10.7 Meter Group
  - 10.7.1 Meter Group Basic Information
  - 10.7.2 Meter Group Compact Digital Weather Sensor Product Overview
  - 10.7.3 Meter Group Compact Digital Weather Sensor Product Market Performance
  - 10.7.4 Meter Group Business Overview
  - 10.7.5 Meter Group Recent Developments
- 10.8 Aeron Systems
  - 10.8.1 Aeron Systems Basic Information
  - 10.8.2 Aeron Systems Compact Digital Weather Sensor Product Overview
  - 10.8.3 Aeron Systems Compact Digital Weather Sensor Product Market Performance
  - 10.8.4 Aeron Systems Business Overview
  - 10.8.5 Aeron Systems Recent Developments
- 10.9 Ahlborn
  - 10.9.1 Ahlborn Basic Information
  - 10.9.2 Ahlborn Compact Digital Weather Sensor Product Overview
  - 10.9.3 Ahlborn Compact Digital Weather Sensor Product Market Performance
  - 10.9.4 Ahlborn Business Overview
  - 10.9.5 Ahlborn Recent Developments
- 10.10 PULSONIC
  - 10.10.1 PULSONIC Basic Information
  - 10.10.2 PULSONIC Compact Digital Weather Sensor Product Overview
  - 10.10.3 PULSONIC Compact Digital Weather Sensor Product Market Performance
  - 10.10.4 PULSONIC Business Overview
  - 10.10.5 PULSONIC Recent Developments
- 10.11 BARANI DESIGN Technologies
  - 10.11.1 BARANI DESIGN Technologies Basic Information
  - 10.11.2 BARANI DESIGN Technologies Compact Digital Weather Sensor Product Overview
  - 10.11.3 BARANI DESIGN Technologies Compact Digital Weather Sensor Product Market Performance
  - 10.11.4 BARANI DESIGN Technologies Business Overview
  - 10.11.5 BARANI DESIGN Technologies Recent Developments

## 10.12 Davis Instruments

10.12.1 Davis Instruments Basic Information

10.12.2 Davis Instruments Compact Digital Weather Sensor Product Overview

10.12.3 Davis Instruments Compact Digital Weather Sensor Product Market

Performance

10.12.4 Davis Instruments Business Overview

10.12.5 Davis Instruments Recent Developments

## 10.13 Gill Instruments

10.13.1 Gill Instruments Basic Information

10.13.2 Gill Instruments Compact Digital Weather Sensor Product Overview

10.13.3 Gill Instruments Compact Digital Weather Sensor Product Market

Performance

10.13.4 Gill Instruments Business Overview

10.13.5 Gill Instruments Recent Developments

## 10.14 OTT HydroMet

10.14.1 OTT HydroMet Basic Information

10.14.2 OTT HydroMet Compact Digital Weather Sensor Product Overview

10.14.3 OTT HydroMet Compact Digital Weather Sensor Product Market Performance

10.14.4 OTT HydroMet Business Overview

10.14.5 OTT HydroMet Recent Developments

## **11 COMPACT DIGITAL WEATHER SENSOR MARKET FORECAST BY REGION**

11.1 Global Compact Digital Weather Sensor Market Size Forecast

11.2 Global Compact Digital Weather Sensor Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Compact Digital Weather Sensor Market Size Forecast by Country

11.2.3 Asia Pacific Compact Digital Weather Sensor Market Size Forecast by Region

11.2.4 South America Compact Digital Weather Sensor Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Compact Digital Weather Sensor by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)**

12.1 Global Compact Digital Weather Sensor Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Compact Digital Weather Sensor by Type (2026-2035)

12.1.2 Global Compact Digital Weather Sensor Market Size Forecast by Type

(2026-2035)

12.1.3 Global Forecasted Price of Compact Digital Weather Sensor by Type

(2026-2035)

12.2 Global Compact Digital Weather Sensor Market Forecast by Application

(2026-2035)

12.2.1 Global Compact Digital Weather Sensor Sales (K Units) Forecast by Application

12.2.2 Global Compact Digital Weather Sensor Market Size (M USD) Forecast by Application (2026-2035)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Compact Digital Weather Sensor Market Size by Type (M USD)

Table 4. Global Compact Digital Weather Sensor Market Size by Application

Table 5. Compact Digital Weather Sensor Market Size Comparison by Region (M USD)

Table 6. Global Compact Digital Weather Sensor Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Compact Digital Weather Sensor Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Compact Digital Weather Sensor Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Compact Digital Weather Sensor Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Compact Digital Weather Sensor as of 2025)

Table 11. Global Market Compact Digital Weather Sensor Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Compact Digital Weather Sensor Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Compact Digital Weather Sensor Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Compact Digital Weather Sensor Sales by Type (K Units)

Table 27. Global Compact Digital Weather Sensor Market Size by Type (M USD)

Table 28. Global Compact Digital Weather Sensor Sales (K Units) by Type (2020-2025)

Table 29. Global Compact Digital Weather Sensor Sales Market Share by Type (2020-2025)

Table 30. Global Compact Digital Weather Sensor Market Size (M USD) by Type (2020-2025)

Table 31. Global Compact Digital Weather Sensor Market Share by Type (2020-2025)

Table 32. Global Compact Digital Weather Sensor Price (USD/Unit) by Type (2020-2025)

Table 33. Global Compact Digital Weather Sensor Sales (K Units) by Application

Table 34. Global Compact Digital Weather Sensor Market Size by Application

Table 35. Global Compact Digital Weather Sensor Sales by Application (2020-2025) & (K Units)

Table 36. Global Compact Digital Weather Sensor Sales Market Share by Application (2020-2025)

Table 37. Global Compact Digital Weather Sensor Market Size by Application (2020-2025) & (M USD)

Table 38. Global Compact Digital Weather Sensor Market Share by Application (2020-2025)

Table 39. Global Compact Digital Weather Sensor Sales Growth Rate by Application (2020-2025)

Table 40. Global Compact Digital Weather Sensor Sales by Region (2020-2025) & (K Units)

Table 41. Global Compact Digital Weather Sensor Sales Market Share by Region (2020-2025)

Table 42. Global Compact Digital Weather Sensor Market Size by Region (2020-2025) & (M USD)

Table 43. Global Compact Digital Weather Sensor Market Size by Region (2020-2025)

Table 44. North America Compact Digital Weather Sensor Sales by Country (2020-2025) & (K Units)

Table 45. North America Compact Digital Weather Sensor Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Compact Digital Weather Sensor Sales by Country (2020-2025) & (K Units)

Table 47. Europe Compact Digital Weather Sensor Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Compact Digital Weather Sensor Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Compact Digital Weather Sensor Market Size by Region (2020-2025) & (M USD)

- Table 50. South America Compact Digital Weather Sensor Sales by Country (2020-2025) & (K Units)
- Table 51. South America Compact Digital Weather Sensor Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa Compact Digital Weather Sensor Sales by Region (2020-2025) & (K Units)
- Table 53. Middle East and Africa Compact Digital Weather Sensor Market Size by Region (2020-2025) & (M USD)
- Table 54. Global Compact Digital Weather Sensor Production (K Units) by Region(2020-2025)
- Table 55. Global Compact Digital Weather Sensor Revenue (US\$ Million) by Region (2020-2025)
- Table 56. Global Compact Digital Weather Sensor Revenue Market Share by Region (2020-2025)
- Table 57. Global Compact Digital Weather Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 58. North America Compact Digital Weather Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 59. Europe Compact Digital Weather Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 60. Japan Compact Digital Weather Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 61. China Compact Digital Weather Sensor Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 62. Met One Basic Information
- Table 63. Met One Compact Digital Weather Sensor Product Overview
- Table 64. Met One Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 65. Met One Business Overview
- Table 66. Met One SWOT Analysis
- Table 67. Met One Recent Developments
- Table 68. ENVIRA Basic Information
- Table 69. ENVIRA Compact Digital Weather Sensor Product Overview
- Table 70. ENVIRA Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 71. ENVIRA Business Overview
- Table 72. ENVIRA SWOT Analysis
- Table 73. ENVIRA Recent Developments
- Table 74. Vaisala Basic Information

- Table 75. Vaisala Compact Digital Weather Sensor Product Overview
- Table 76. Vaisala Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. Vaisala Business Overview
- Table 78. Vaisala SWOT Analysis
- Table 79. Vaisala Recent Developments
- Table 80. RM Young Basic Information
- Table 81. RM Young Compact Digital Weather Sensor Product Overview
- Table 82. RM Young Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. RM Young Business Overview
- Table 84. RM Young Recent Developments
- Table 85. Campbell Scientific Basic Information
- Table 86. Campbell Scientific Compact Digital Weather Sensor Product Overview
- Table 87. Campbell Scientific Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. Campbell Scientific Business Overview
- Table 89. Campbell Scientific Recent Developments
- Table 90. Lufft Basic Information
- Table 91. Lufft Compact Digital Weather Sensor Product Overview
- Table 92. Lufft Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Lufft Business Overview
- Table 94. Lufft Recent Developments
- Table 95. Meter Group Basic Information
- Table 96. Meter Group Compact Digital Weather Sensor Product Overview
- Table 97. Meter Group Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. Meter Group Business Overview
- Table 99. Meter Group Recent Developments
- Table 100. Aeron Systems Basic Information
- Table 101. Aeron Systems Compact Digital Weather Sensor Product Overview
- Table 102. Aeron Systems Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 103. Aeron Systems Business Overview
- Table 104. Aeron Systems Recent Developments
- Table 105. Ahlborn Basic Information
- Table 106. Ahlborn Compact Digital Weather Sensor Product Overview
- Table 107. Ahlborn Compact Digital Weather Sensor Sales (K Units), Revenue (M

USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. Ahlborn Business Overview

Table 109. Ahlborn Recent Developments

Table 110. PULSONIC Basic Information

Table 111. PULSONIC Compact Digital Weather Sensor Product Overview

Table 112. PULSONIC Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. PULSONIC Business Overview

Table 114. PULSONIC Recent Developments

Table 115. BARANI DESIGN Technologies Basic Information

Table 116. BARANI DESIGN Technologies Compact Digital Weather Sensor Product Overview

Table 117. BARANI DESIGN Technologies Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. BARANI DESIGN Technologies Business Overview

Table 119. BARANI DESIGN Technologies Recent Developments

Table 120. Davis Instruments Basic Information

Table 121. Davis Instruments Compact Digital Weather Sensor Product Overview

Table 122. Davis Instruments Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 123. Davis Instruments Business Overview

Table 124. Davis Instruments Recent Developments

Table 125. Gill Instruments Basic Information

Table 126. Gill Instruments Compact Digital Weather Sensor Product Overview

Table 127. Gill Instruments Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. Gill Instruments Business Overview

Table 129. Gill Instruments Recent Developments

Table 130. OTT HydroMet Basic Information

Table 131. OTT HydroMet Compact Digital Weather Sensor Product Overview

Table 132. OTT HydroMet Compact Digital Weather Sensor Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 133. OTT HydroMet Business Overview

Table 134. OTT HydroMet Recent Developments

Table 135. Global Compact Digital Weather Sensor Sales Forecast by Region (2026-2035) & (K Units)

Table 136. Global Compact Digital Weather Sensor Market Size Forecast by Region (2026-2035) & (M USD)

Table 137. North America Compact Digital Weather Sensor Sales Forecast by Country

(2026-2035) & (K Units)

Table 138. North America Compact Digital Weather Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 139. Europe Compact Digital Weather Sensor Sales Forecast by Country (2026-2035) & (K Units)

Table 140. Europe Compact Digital Weather Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 141. Asia Pacific Compact Digital Weather Sensor Sales Forecast by Region (2026-2035) & (K Units)

Table 142. Asia Pacific Compact Digital Weather Sensor Market Size Forecast by Region (2026-2035) & (M USD)

Table 143. South America Compact Digital Weather Sensor Sales Forecast by Country (2026-2035) & (K Units)

Table 144. South America Compact Digital Weather Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 145. Middle East and Africa Compact Digital Weather Sensor Sales Forecast by Country (2026-2035) & (Units)

Table 146. Middle East and Africa Compact Digital Weather Sensor Market Size Forecast by Country (2026-2035) & (M USD)

Table 147. Global Compact Digital Weather Sensor Sales Forecast by Type (2026-2035) & (K Units)

Table 148. Global Compact Digital Weather Sensor Market Size Forecast by Type (2026-2035) & (M USD)

Table 149. Global Compact Digital Weather Sensor Price Forecast by Type (2026-2035) & (USD/Unit)

Table 150. Global Compact Digital Weather Sensor Sales (K Units) Forecast by Application (2026-2035)

Table 151. Global Compact Digital Weather Sensor Market Size Forecast by Application (2026-2035) & (M USD)

## List Of Figures

### LIST OF FIGURES

Figure 1. Product Picture of Compact Digital Weather Sensor

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Compact Digital Weather Sensor Market Size (M USD), 2025-2035

Figure 5. Global Compact Digital Weather Sensor Market Size (M USD) (2020-2035)

Figure 6. Global Compact Digital Weather Sensor Sales (K Units) & (2020-2035)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Compact Digital Weather Sensor Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Compact Digital Weather Sensor Product Life Cycle

Figure 13. Compact Digital Weather Sensor Sales Share by Manufacturers in 2025

Figure 14. Global Compact Digital Weather Sensor Revenue Share by Manufacturers in 2025

Figure 15. Compact Digital Weather Sensor Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025

Figure 16. Global Market Compact Digital Weather Sensor Average Price (USD/Unit) of Key Manufacturers in 2025

Figure 17. The Global 5 and 10 Largest Players: Market Share by Compact Digital Weather Sensor Revenue in 2025

Figure 18. Industry Chain Map of Compact Digital Weather Sensor

Figure 19. Global Compact Digital Weather Sensor Market PEST Analysis

Figure 20. Global Compact Digital Weather Sensor Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Compact Digital Weather Sensor Market Share by Type

Figure 27. Sales Market Share of Compact Digital Weather Sensor by Type (2020-2025)

Figure 28. Sales Market Share of Compact Digital Weather Sensor by Type in 2025

Figure 29. Market Share of Compact Digital Weather Sensor by Type (2020-2025)

- Figure 30. Market Share of Compact Digital Weather Sensor by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Compact Digital Weather Sensor Market Share by Application
- Figure 33. Global Compact Digital Weather Sensor Sales Market Share by Application (2020-2025)
- Figure 34. Global Compact Digital Weather Sensor Sales Market Share by Application in 2025
- Figure 35. Global Compact Digital Weather Sensor Market Share by Application (2020-2025)
- Figure 36. Global Compact Digital Weather Sensor Market Share by Application in 2025
- Figure 37. Global Compact Digital Weather Sensor Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Compact Digital Weather Sensor Sales Market Share by Region (2020-2025)
- Figure 39. Global Compact Digital Weather Sensor Market Size by Region (2020-2025)
- Figure 40. North America Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Compact Digital Weather Sensor Sales Market Share by Country in 2024
- Figure 43. North America Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Compact Digital Weather Sensor Market Size by Country in 2024
- Figure 45. U.S. Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Compact Digital Weather Sensor Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada Compact Digital Weather Sensor Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Compact Digital Weather Sensor Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Compact Digital Weather Sensor Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Compact Digital Weather Sensor Sales Market Share by Country in 2024

Figure 53. Europe Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Compact Digital Weather Sensor Market Size by Country in 2024

Figure 55. Germany Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Compact Digital Weather Sensor Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Compact Digital Weather Sensor Sales Market Share by Region in 2024

Figure 67. Asia Pacific Compact Digital Weather Sensor Market Size by Region in 2024

Figure 68. China Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Compact Digital Weather Sensor Sales and Growth Rate

(2020-2025) & (K Units)

Figure 73. South Korea Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Compact Digital Weather Sensor Sales and Growth Rate (K Units)

Figure 79. South America Compact Digital Weather Sensor Sales Market Share by Country in 2024

Figure 80. South America Compact Digital Weather Sensor Market Size and Growth Rate (M USD)

Figure 81. South America Compact Digital Weather Sensor Market Size by Country in 2024

Figure 82. Brazil Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Compact Digital Weather Sensor Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Compact Digital Weather Sensor Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Compact Digital Weather Sensor Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Compact Digital Weather Sensor Market Size by Region in 2024

Figure 92. Saudi Arabia Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Compact Digital Weather Sensor Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Compact Digital Weather Sensor Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Compact Digital Weather Sensor Production Market Share by Region (2020-2025)

Figure 103. North America Compact Digital Weather Sensor Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Compact Digital Weather Sensor Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Compact Digital Weather Sensor Production (K Units) Growth Rate (2020-2025)

Figure 106. China Compact Digital Weather Sensor Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Compact Digital Weather Sensor Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Compact Digital Weather Sensor Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Compact Digital Weather Sensor Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Compact Digital Weather Sensor Market Share Forecast by Type (2026-2035)

Figure 111. Global Compact Digital Weather Sensor Sales Forecast by Application

(2026-2035)

Figure 112. Global Compact Digital Weather Sensor Market Share Forecast by Application (2026-2035)

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