

Global Smart Weather Data Sensor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Smart Weather Data Sensor market size was valued at US\$ 687 million in 2024 and is forecast to a readjusted size of USD 906 million by 2031 with a CAGR of 4.3% during review period.

A smart weather data sensor is a sensor device used to measure single or multiple meteorological parameters (such as temperature, humidity, wind speed, wind direction, atmospheric pressure, rainfall, etc.). Its core function is to convert meteorological information in the physical environment into standard electrical signals or digital signals and transmit them to the data processing system. It is highly professional and suitable for scenarios such as industrial monitoring and agricultural meteorological services.

This report is a detailed and comprehensive analysis for global Smart Weather Data Sensor 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 Smart Weather Data Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Weather Data Sensor market size and forecasts by region and country, in

consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Weather Data Sensor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Smart Weather Data Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Smart Weather Data Sensor

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 Smart Weather Data Sensor 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 Met One, ENVIRA, Vaisala, RM Young, Onetemp, Campbell Scientific, Lufft, Meter Group, Aeron Systems, Siemens, etc.

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

Market Segmentation

Smart Weather Data Sensor market is split by Type and by Application. For the period 2020-2031, 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

Portable Type

Fixed Type

Market segment by Application

Agriculture

Industrial

Military

Others

Major players covered

Met One

ENVIRA

Vaisala

RM Young

Onetemp

Campbell Scientific

Lufft

Meter Group

Aeron Systems

Siemens

Ahlborn

PULSONIC

BARANI DESIGN Technologies

Davis Instruments

Gill Instruments

OTT HydroMet

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 Smart Weather Data Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Smart Weather Data Sensor, with price, sales quantity, revenue, and global market share of Smart Weather Data Sensor from 2020 to 2025.

Chapter 3, the Smart Weather Data Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Smart Weather Data Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Smart Weather Data Sensor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Smart Weather Data Sensor.

Chapter 14 and 15, to describe Smart Weather Data Sensor 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 Smart Weather Data Sensor Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Portable Type

1.3.3 Fixed Type

1.4 Market Analysis by Application

1.4.1 Overview: Global Smart Weather Data Sensor Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Agriculture

1.4.3 Industrial

1.4.4 Military

1.4.5 Others

1.5 Global Smart Weather Data Sensor Market Size & Forecast

1.5.1 Global Smart Weather Data Sensor Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Smart Weather Data Sensor Sales Quantity (2020-2031)

1.5.3 Global Smart Weather Data Sensor Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Met One

2.1.1 Met One Details

2.1.2 Met One Major Business

2.1.3 Met One Smart Weather Data Sensor Product and Services

2.1.4 Met One Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Met One Recent Developments/Updates

2.2 ENVIRA

2.2.1 ENVIRA Details

2.2.2 ENVIRA Major Business

2.2.3 ENVIRA Smart Weather Data Sensor Product and Services

2.2.4 ENVIRA Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 ENVIRA Recent Developments/Updates

2.3 Vaisala

2.3.1 Vaisala Details

2.3.2 Vaisala Major Business

2.3.3 Vaisala Smart Weather Data Sensor Product and Services

2.3.4 Vaisala Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Vaisala Recent Developments/Updates

2.4 RM Young

2.4.1 RM Young Details

2.4.2 RM Young Major Business

2.4.3 RM Young Smart Weather Data Sensor Product and Services

2.4.4 RM Young Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 RM Young Recent Developments/Updates

2.5 Onetemp

2.5.1 Onetemp Details

2.5.2 Onetemp Major Business

2.5.3 Onetemp Smart Weather Data Sensor Product and Services

2.5.4 Onetemp Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Onetemp Recent Developments/Updates

2.6 Campbell Scientific

2.6.1 Campbell Scientific Details

2.6.2 Campbell Scientific Major Business

2.6.3 Campbell Scientific Smart Weather Data Sensor Product and Services

2.6.4 Campbell Scientific Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Campbell Scientific Recent Developments/Updates

2.7 Lufft

2.7.1 Lufft Details

2.7.2 Lufft Major Business

2.7.3 Lufft Smart Weather Data Sensor Product and Services

2.7.4 Lufft Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Lufft Recent Developments/Updates

2.8 Meter Group

2.8.1 Meter Group Details

2.8.2 Meter Group Major Business

2.8.3 Meter Group Smart Weather Data Sensor Product and Services

2.8.4 Meter Group Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Meter Group Recent Developments/Updates

2.9 Aeron Systems

2.9.1 Aeron Systems Details

2.9.2 Aeron Systems Major Business

2.9.3 Aeron Systems Smart Weather Data Sensor Product and Services

2.9.4 Aeron Systems Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Aeron Systems Recent Developments/Updates

2.10 Siemens

2.10.1 Siemens Details

2.10.2 Siemens Major Business

2.10.3 Siemens Smart Weather Data Sensor Product and Services

2.10.4 Siemens Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 Siemens Recent Developments/Updates

2.11 Ahlborn

2.11.1 Ahlborn Details

2.11.2 Ahlborn Major Business

2.11.3 Ahlborn Smart Weather Data Sensor Product and Services

2.11.4 Ahlborn Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 Ahlborn Recent Developments/Updates

2.12 PULSONIC

2.12.1 PULSONIC Details

2.12.2 PULSONIC Major Business

2.12.3 PULSONIC Smart Weather Data Sensor Product and Services

2.12.4 PULSONIC Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 PULSONIC Recent Developments/Updates

2.13 BARANI DESIGN Technologies

2.13.1 BARANI DESIGN Technologies Details

2.13.2 BARANI DESIGN Technologies Major Business

2.13.3 BARANI DESIGN Technologies Smart Weather Data Sensor Product and Services

2.13.4 BARANI DESIGN Technologies Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 BARANI DESIGN Technologies Recent Developments/Updates

2.14 Davis Instruments

2.14.1 Davis Instruments Details

2.14.2 Davis Instruments Major Business

2.14.3 Davis Instruments Smart Weather Data Sensor Product and Services

2.14.4 Davis Instruments Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.14.5 Davis Instruments Recent Developments/Updates

2.15 Gill Instruments

2.15.1 Gill Instruments Details

2.15.2 Gill Instruments Major Business

2.15.3 Gill Instruments Smart Weather Data Sensor Product and Services

2.15.4 Gill Instruments Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.15.5 Gill Instruments Recent Developments/Updates

2.16 OTT HydroMet

2.16.1 OTT HydroMet Details

2.16.2 OTT HydroMet Major Business

2.16.3 OTT HydroMet Smart Weather Data Sensor Product and Services

2.16.4 OTT HydroMet Smart Weather Data Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.16.5 OTT HydroMet Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SMART WEATHER DATA SENSOR BY MANUFACTURER

3.1 Global Smart Weather Data Sensor Sales Quantity by Manufacturer (2020-2025)

3.2 Global Smart Weather Data Sensor Revenue by Manufacturer (2020-2025)

3.3 Global Smart Weather Data Sensor Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Smart Weather Data Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Smart Weather Data Sensor Manufacturer Market Share in 2024

3.4.3 Top 6 Smart Weather Data Sensor Manufacturer Market Share in 2024

3.5 Smart Weather Data Sensor Market: Overall Company Footprint Analysis

3.5.1 Smart Weather Data Sensor Market: Region Footprint

3.5.2 Smart Weather Data Sensor Market: Company Product Type Footprint

3.5.3 Smart Weather Data Sensor 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 Smart Weather Data Sensor Market Size by Region

- 4.1.1 Global Smart Weather Data Sensor Sales Quantity by Region (2020-2031)
- 4.1.2 Global Smart Weather Data Sensor Consumption Value by Region (2020-2031)
- 4.1.3 Global Smart Weather Data Sensor Average Price by Region (2020-2031)

4.2 North America Smart Weather Data Sensor Consumption Value (2020-2031)

4.3 Europe Smart Weather Data Sensor Consumption Value (2020-2031)

4.4 Asia-Pacific Smart Weather Data Sensor Consumption Value (2020-2031)

4.5 South America Smart Weather Data Sensor Consumption Value (2020-2031)

4.6 Middle East & Africa Smart Weather Data Sensor Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global Smart Weather Data Sensor Sales Quantity by Type (2020-2031)

5.2 Global Smart Weather Data Sensor Consumption Value by Type (2020-2031)

5.3 Global Smart Weather Data Sensor Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Smart Weather Data Sensor Sales Quantity by Application (2020-2031)

6.2 Global Smart Weather Data Sensor Consumption Value by Application (2020-2031)

6.3 Global Smart Weather Data Sensor Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America Smart Weather Data Sensor Sales Quantity by Type (2020-2031)

7.2 North America Smart Weather Data Sensor Sales Quantity by Application (2020-2031)

7.3 North America Smart Weather Data Sensor Market Size by Country

7.3.1 North America Smart Weather Data Sensor Sales Quantity by Country (2020-2031)

7.3.2 North America Smart Weather Data Sensor Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Smart Weather Data Sensor Sales Quantity by Type (2020-2031)
- 8.2 Europe Smart Weather Data Sensor Sales Quantity by Application (2020-2031)
- 8.3 Europe Smart Weather Data Sensor Market Size by Country
 - 8.3.1 Europe Smart Weather Data Sensor Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Smart Weather Data Sensor Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)
 - 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Smart Weather Data Sensor Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Smart Weather Data Sensor Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Smart Weather Data Sensor Market Size by Region
 - 9.3.1 Asia-Pacific Smart Weather Data Sensor Sales Quantity by Region (2020-2031)
 - 9.3.2 Asia-Pacific Smart Weather Data Sensor Consumption Value by Region (2020-2031)
 - 9.3.3 China Market Size and Forecast (2020-2031)
 - 9.3.4 Japan Market Size and Forecast (2020-2031)
 - 9.3.5 South Korea Market Size and Forecast (2020-2031)
 - 9.3.6 India Market Size and Forecast (2020-2031)
 - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
 - 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America Smart Weather Data Sensor Sales Quantity by Type (2020-2031)
- 10.2 South America Smart Weather Data Sensor Sales Quantity by Application (2020-2031)
- 10.3 South America Smart Weather Data Sensor Market Size by Country
 - 10.3.1 South America Smart Weather Data Sensor Sales Quantity by Country (2020-2031)
 - 10.3.2 South America Smart Weather Data Sensor Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Smart Weather Data Sensor Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Smart Weather Data Sensor Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Smart Weather Data Sensor Market Size by Country

11.3.1 Middle East & Africa Smart Weather Data Sensor Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Smart Weather Data Sensor Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Smart Weather Data Sensor Market Drivers

12.2 Smart Weather Data Sensor Market Restraints

12.3 Smart Weather Data Sensor 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 Smart Weather Data Sensor and Key Manufacturers

13.2 Manufacturing Costs Percentage of Smart Weather Data Sensor

13.3 Smart Weather Data Sensor 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 Smart Weather Data Sensor Typical Distributors

14.3 Smart Weather Data Sensor 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 Smart Weather Data Sensor Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Smart Weather Data Sensor Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Met One Basic Information, Manufacturing Base and Competitors

Table 4. Met One Major Business

Table 5. Met One Smart Weather Data Sensor Product and Services

Table 6. Met One Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Met One Recent Developments/Updates

Table 8. ENVIRA Basic Information, Manufacturing Base and Competitors

Table 9. ENVIRA Major Business

Table 10. ENVIRA Smart Weather Data Sensor Product and Services

Table 11. ENVIRA Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. ENVIRA Recent Developments/Updates

Table 13. Vaisala Basic Information, Manufacturing Base and Competitors

Table 14. Vaisala Major Business

Table 15. Vaisala Smart Weather Data Sensor Product and Services

Table 16. Vaisala Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Vaisala Recent Developments/Updates

Table 18. RM Young Basic Information, Manufacturing Base and Competitors

Table 19. RM Young Major Business

Table 20. RM Young Smart Weather Data Sensor Product and Services

Table 21. RM Young Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. RM Young Recent Developments/Updates

Table 23. Onetemp Basic Information, Manufacturing Base and Competitors

Table 24. Onetemp Major Business

Table 25. Onetemp Smart Weather Data Sensor Product and Services

Table 26. Onetemp Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Onetemp Recent Developments/Updates

Table 28. Campbell Scientific Basic Information, Manufacturing Base and Competitors

Table 29. Campbell Scientific Major Business

Table 30. Campbell Scientific Smart Weather Data Sensor Product and Services

Table 31. Campbell Scientific Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Campbell Scientific Recent Developments/Updates

Table 33. Lufft Basic Information, Manufacturing Base and Competitors

Table 34. Lufft Major Business

Table 35. Lufft Smart Weather Data Sensor Product and Services

Table 36. Lufft Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Lufft Recent Developments/Updates

Table 38. Meter Group Basic Information, Manufacturing Base and Competitors

Table 39. Meter Group Major Business

Table 40. Meter Group Smart Weather Data Sensor Product and Services

Table 41. Meter Group Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Meter Group Recent Developments/Updates

Table 43. Aeron Systems Basic Information, Manufacturing Base and Competitors

Table 44. Aeron Systems Major Business

Table 45. Aeron Systems Smart Weather Data Sensor Product and Services

Table 46. Aeron Systems Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Aeron Systems Recent Developments/Updates

Table 48. Siemens Basic Information, Manufacturing Base and Competitors

Table 49. Siemens Major Business

Table 50. Siemens Smart Weather Data Sensor Product and Services

Table 51. Siemens Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Siemens Recent Developments/Updates

Table 53. Ahlborn Basic Information, Manufacturing Base and Competitors

Table 54. Ahlborn Major Business

Table 55. Ahlborn Smart Weather Data Sensor Product and Services

Table 56. Ahlborn Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Ahlborn Recent Developments/Updates

Table 58. PULSONIC Basic Information, Manufacturing Base and Competitors

Table 59. PULSONIC Major Business

Table 60. PULSONIC Smart Weather Data Sensor Product and Services

Table 61. PULSONIC Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. PULSONIC Recent Developments/Updates

Table 63. BARANI DESIGN Technologies Basic Information, Manufacturing Base and Competitors

Table 64. BARANI DESIGN Technologies Major Business

Table 65. BARANI DESIGN Technologies Smart Weather Data Sensor Product and Services

Table 66. BARANI DESIGN Technologies Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. BARANI DESIGN Technologies Recent Developments/Updates

Table 68. Davis Instruments Basic Information, Manufacturing Base and Competitors

Table 69. Davis Instruments Major Business

Table 70. Davis Instruments Smart Weather Data Sensor Product and Services

Table 71. Davis Instruments Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. Davis Instruments Recent Developments/Updates

Table 73. Gill Instruments Basic Information, Manufacturing Base and Competitors

Table 74. Gill Instruments Major Business

Table 75. Gill Instruments Smart Weather Data Sensor Product and Services

Table 76. Gill Instruments Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Gill Instruments Recent Developments/Updates

Table 78. OTT HydroMet Basic Information, Manufacturing Base and Competitors

Table 79. OTT HydroMet Major Business

Table 80. OTT HydroMet Smart Weather Data Sensor Product and Services

Table 81. OTT HydroMet Smart Weather Data Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. OTT HydroMet Recent Developments/Updates

Table 83. Global Smart Weather Data Sensor Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 84. Global Smart Weather Data Sensor Revenue by Manufacturer (2020-2025) & (USD Million)

Table 85. Global Smart Weather Data Sensor Average Price by Manufacturer

(2020-2025) & (US\$/Unit)

Table 86. Market Position of Manufacturers in Smart Weather Data Sensor, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 87. Head Office and Smart Weather Data Sensor Production Site of Key Manufacturer

Table 88. Smart Weather Data Sensor Market: Company Product Type Footprint

Table 89. Smart Weather Data Sensor Market: Company Product Application Footprint

Table 90. Smart Weather Data Sensor New Market Entrants and Barriers to Market Entry

Table 91. Smart Weather Data Sensor Mergers, Acquisition, Agreements, and Collaborations

Table 92. Global Smart Weather Data Sensor Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 93. Global Smart Weather Data Sensor Sales Quantity by Region (2020-2025) & (K Units)

Table 94. Global Smart Weather Data Sensor Sales Quantity by Region (2026-2031) & (K Units)

Table 95. Global Smart Weather Data Sensor Consumption Value by Region (2020-2025) & (USD Million)

Table 96. Global Smart Weather Data Sensor Consumption Value by Region (2026-2031) & (USD Million)

Table 97. Global Smart Weather Data Sensor Average Price by Region (2020-2025) & (US\$/Unit)

Table 98. Global Smart Weather Data Sensor Average Price by Region (2026-2031) & (US\$/Unit)

Table 99. Global Smart Weather Data Sensor Sales Quantity by Type (2020-2025) & (K Units)

Table 100. Global Smart Weather Data Sensor Sales Quantity by Type (2026-2031) & (K Units)

Table 101. Global Smart Weather Data Sensor Consumption Value by Type (2020-2025) & (USD Million)

Table 102. Global Smart Weather Data Sensor Consumption Value by Type (2026-2031) & (USD Million)

Table 103. Global Smart Weather Data Sensor Average Price by Type (2020-2025) & (US\$/Unit)

Table 104. Global Smart Weather Data Sensor Average Price by Type (2026-2031) & (US\$/Unit)

Table 105. Global Smart Weather Data Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 106. Global Smart Weather Data Sensor Sales Quantity by Application
(2026-2031) & (K Units)

Table 107. Global Smart Weather Data Sensor Consumption Value by Application
(2020-2025) & (USD Million)

Table 108. Global Smart Weather Data Sensor Consumption Value by Application
(2026-2031) & (USD Million)

Table 109. Global Smart Weather Data Sensor Average Price by Application
(2020-2025) & (US\$/Unit)

Table 110. Global Smart Weather Data Sensor Average Price by Application
(2026-2031) & (US\$/Unit)

Table 111. North America Smart Weather Data Sensor Sales Quantity by Type
(2020-2025) & (K Units)

Table 112. North America Smart Weather Data Sensor Sales Quantity by Type
(2026-2031) & (K Units)

Table 113. North America Smart Weather Data Sensor Sales Quantity by Application
(2020-2025) & (K Units)

Table 114. North America Smart Weather Data Sensor Sales Quantity by Application
(2026-2031) & (K Units)

Table 115. North America Smart Weather Data Sensor Sales Quantity by Country
(2020-2025) & (K Units)

Table 116. North America Smart Weather Data Sensor Sales Quantity by Country
(2026-2031) & (K Units)

Table 117. North America Smart Weather Data Sensor Consumption Value by Country
(2020-2025) & (USD Million)

Table 118. North America Smart Weather Data Sensor Consumption Value by Country
(2026-2031) & (USD Million)

Table 119. Europe Smart Weather Data Sensor Sales Quantity by Type (2020-2025) &
(K Units)

Table 120. Europe Smart Weather Data Sensor Sales Quantity by Type (2026-2031) &
(K Units)

Table 121. Europe Smart Weather Data Sensor Sales Quantity by Application
(2020-2025) & (K Units)

Table 122. Europe Smart Weather Data Sensor Sales Quantity by Application
(2026-2031) & (K Units)

Table 123. Europe Smart Weather Data Sensor Sales Quantity by Country (2020-2025)
& (K Units)

Table 124. Europe Smart Weather Data Sensor Sales Quantity by Country (2026-2031)
& (K Units)

Table 125. Europe Smart Weather Data Sensor Consumption Value by Country

(2020-2025) & (USD Million)

Table 126. Europe Smart Weather Data Sensor Consumption Value by Country

(2026-2031) & (USD Million)

Table 127. Asia-Pacific Smart Weather Data Sensor Sales Quantity by Type

(2020-2025) & (K Units)

Table 128. Asia-Pacific Smart Weather Data Sensor Sales Quantity by Type

(2026-2031) & (K Units)

Table 129. Asia-Pacific Smart Weather Data Sensor Sales Quantity by Application

(2020-2025) & (K Units)

Table 130. Asia-Pacific Smart Weather Data Sensor Sales Quantity by Application

(2026-2031) & (K Units)

Table 131. Asia-Pacific Smart Weather Data Sensor Sales Quantity by Region

(2020-2025) & (K Units)

Table 132. Asia-Pacific Smart Weather Data Sensor Sales Quantity by Region

(2026-2031) & (K Units)

Table 133. Asia-Pacific Smart Weather Data Sensor Consumption Value by Region

(2020-2025) & (USD Million)

Table 134. Asia-Pacific Smart Weather Data Sensor Consumption Value by Region

(2026-2031) & (USD Million)

Table 135. South America Smart Weather Data Sensor Sales Quantity by Type

(2020-2025) & (K Units)

Table 136. South America Smart Weather Data Sensor Sales Quantity by Type

(2026-2031) & (K Units)

Table 137. South America Smart Weather Data Sensor Sales Quantity by Application

(2020-2025) & (K Units)

Table 138. South America Smart Weather Data Sensor Sales Quantity by Application

(2026-2031) & (K Units)

Table 139. South America Smart Weather Data Sensor Sales Quantity by Country

(2020-2025) & (K Units)

Table 140. South America Smart Weather Data Sensor Sales Quantity by Country

(2026-2031) & (K Units)

Table 141. South America Smart Weather Data Sensor Consumption Value by Country

(2020-2025) & (USD Million)

Table 142. South America Smart Weather Data Sensor Consumption Value by Country

(2026-2031) & (USD Million)

Table 143. Middle East & Africa Smart Weather Data Sensor Sales Quantity by Type

(2020-2025) & (K Units)

Table 144. Middle East & Africa Smart Weather Data Sensor Sales Quantity by Type

(2026-2031) & (K Units)

Table 145. Middle East & Africa Smart Weather Data Sensor Sales Quantity by Application (2020-2025) & (K Units)

Table 146. Middle East & Africa Smart Weather Data Sensor Sales Quantity by Application (2026-2031) & (K Units)

Table 147. Middle East & Africa Smart Weather Data Sensor Sales Quantity by Country (2020-2025) & (K Units)

Table 148. Middle East & Africa Smart Weather Data Sensor Sales Quantity by Country (2026-2031) & (K Units)

Table 149. Middle East & Africa Smart Weather Data Sensor Consumption Value by Country (2020-2025) & (USD Million)

Table 150. Middle East & Africa Smart Weather Data Sensor Consumption Value by Country (2026-2031) & (USD Million)

Table 151. Smart Weather Data Sensor Raw Material

Table 152. Key Manufacturers of Smart Weather Data Sensor Raw Materials

Table 153. Smart Weather Data Sensor Typical Distributors

Table 154. Smart Weather Data Sensor Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Smart Weather Data Sensor Picture

Figure 2. Global Smart Weather Data Sensor Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Smart Weather Data Sensor Revenue Market Share by Type in 2024

Figure 4. Portable Type Examples

Figure 5. Fixed Type Examples

Figure 6. Global Smart Weather Data Sensor Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global Smart Weather Data Sensor Revenue Market Share by Application in 2024

Figure 8. Agriculture Examples

Figure 9. Industrial Examples

Figure 10. Military Examples

Figure 11. Others Examples

Figure 12. Global Smart Weather Data Sensor Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Smart Weather Data Sensor Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Smart Weather Data Sensor Sales Quantity (2020-2031) & (K Units)

Figure 15. Global Smart Weather Data Sensor Price (2020-2031) & (US\$/Unit)

Figure 16. Global Smart Weather Data Sensor Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Smart Weather Data Sensor Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Smart Weather Data Sensor by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Smart Weather Data Sensor Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Smart Weather Data Sensor Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Smart Weather Data Sensor Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Smart Weather Data Sensor Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Smart Weather Data Sensor Consumption Value (2020-2031)

& (USD Million)

Figure 24. Europe Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Smart Weather Data Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Smart Weather Data Sensor Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Smart Weather Data Sensor Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global Smart Weather Data Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Smart Weather Data Sensor Revenue Market Share by Application (2020-2031)

Figure 33. Global Smart Weather Data Sensor Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America Smart Weather Data Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Smart Weather Data Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Smart Weather Data Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Smart Weather Data Sensor Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Smart Weather Data Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Smart Weather Data Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Smart Weather Data Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Smart Weather Data Sensor Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 46. France Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Smart Weather Data Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Smart Weather Data Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Smart Weather Data Sensor Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Smart Weather Data Sensor Consumption Value Market Share by Region (2020-2031)

Figure 54. China Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 57. India Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Smart Weather Data Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Smart Weather Data Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Smart Weather Data Sensor Sales Quantity Market Share by

Country (2020-2031)

Figure 63. South America Smart Weather Data Sensor Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Smart Weather Data Sensor Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Smart Weather Data Sensor Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Smart Weather Data Sensor Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Smart Weather Data Sensor Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Smart Weather Data Sensor Consumption Value (2020-2031) & (USD Million)

Figure 74. Smart Weather Data Sensor Market Drivers

Figure 75. Smart Weather Data Sensor Market Restraints

Figure 76. Smart Weather Data Sensor Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Smart Weather Data Sensor in 2024

Figure 79. Manufacturing Process Analysis of Smart Weather Data Sensor

Figure 80. Smart Weather Data Sensor Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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