

Global Humidity Sensitive Resistor Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Humidity Sensitive Resistor market size is expected to reach \$ 90.74 million by 2032, rising at a market growth of 2.9% CAGR during the forecast period (2026-2032).

In 2025, global sales volume of Humidity Sensitive Resistor products was approximately 120 million units, with an average market price of around USD 0.60 per unit. The gross margin of major manufacturers in the industry was approximately 20%-35%.

Humidity Sensitive Resistor is a resistive humidity-sensitive component based on moisture-sensitive materials. It detects ambient humidity by utilizing the change in resistance or impedance after polymer, ceramic, or composite moisture-sensitive materials absorb water vapor. The product can generally be classified by sensitive material, packaging form, reference impedance, and response time, with common forms including through-hole type, chip type, and probe type. Compared with capacitive humidity sensors and digital temperature-humidity sensors, Humidity Sensitive Resistor features a simple structure, low cost, and easy circuit matching, making it suitable for low-cost humidity detection, moisture judgment, and simple control applications.

Its upstream mainly includes polymer moisture-sensitive materials, ceramic substrates, electrode materials, leads, packaging housings, protective films, substrates, and testing and sorting equipment. The midstream covers material preparation, coating and sintering, electrode processing, packaging, and impedance calibration of Humidity Sensitive Resistor components. Its downstream applications mainly include Home Appliance, Consumer Electronics, Industrial Control, Automotive Electronics, Agriculture and Warehousing, and Other fields, where it is used in air conditioners, dehumidifiers, humidifiers, electronic thermo-hygrometers, electrical control cabinets, vehicle

defogging systems, greenhouses, and warehousing environments for humidity detection, moisture alarms, and temperature-humidity control.

This report studies the global Humidity Sensitive Resistor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Humidity Sensitive Resistor and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Humidity Sensitive Resistor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Humidity Sensitive Resistor total production and demand, 2021-2032, (K Units)

Global Humidity Sensitive Resistor total production value, 2021-2032, (USD Million)

Global Humidity Sensitive Resistor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Humidity Sensitive Resistor consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Humidity Sensitive Resistor domestic production, consumption, key domestic manufacturers and share

Global Humidity Sensitive Resistor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Humidity Sensitive Resistor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Humidity Sensitive Resistor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Humidity Sensitive Resistor market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Shinyei Technology, Hokuriku Electric Industry, Amphenol Advanced Sensors, Guangzhou Maihong Electronics, Guangzhou Aosong Electronics, Dongguan Qixin Electronics, Shenzhen Shengqun Technology, Guangzhou Chuanju Electronics, Guangzhou Shengtai Lai Electronics, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Humidity Sensitive Resistor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Humidity Sensitive Resistor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Humidity Sensitive Resistor Market, Segmentation by Type:

Polymer Material

Ceramic Material

Composite Material

Global Humidity Sensitive Resistor Market, Segmentation by Packaging Form:

Through-hole Type

Chip Type

Probe Type

Global Humidity Sensitive Resistor Market, Segmentation by Reference Impedance:

Low-impedance Type ($<10\text{ k}\Omega$)

Medium-impedance Type ($10\text{--}100\text{ k}\Omega$)

High-impedance Type ($>100\text{ k}\Omega$)

Global Humidity Sensitive Resistor Market, Segmentation by Application:

Home Appliance

Consumer Electronics

Industrial Control

Automotive Electronics

Agriculture and Warehousing

Other

Companies Profiled:

Shinyei Technology

Hokuriku Electric Industry

Amphenol Advanced Sensors

Guangzhou Maihong Electronics

Guangzhou Aosong Electronics

Dongguan Qixin Electronics

Shenzhen Shengqun Technology

Guangzhou Chuanju Electronics

Guangzhou Shengtai Lai Electronics

Key Questions Answered:

1. How big is the global Humidity Sensitive Resistor market?
2. What is the demand of the global Humidity Sensitive Resistor market?
3. What is the year over year growth of the global Humidity Sensitive Resistor market?
4. What is the production and production value of the global Humidity Sensitive Resistor market?
5. Who are the key producers in the global Humidity Sensitive Resistor market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Humidity Sensitive Resistor Introduction
- 1.2 World Humidity Sensitive Resistor Supply & Forecast
 - 1.2.1 World Humidity Sensitive Resistor Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Humidity Sensitive Resistor Production (2021-2032)
 - 1.2.3 World Humidity Sensitive Resistor Pricing Trends (2021-2032)
- 1.3 World Humidity Sensitive Resistor Production by Region (Based on Production Site)
 - 1.3.1 World Humidity Sensitive Resistor Production Value by Region (2021-2032)
 - 1.3.2 World Humidity Sensitive Resistor Production by Region (2021-2032)
 - 1.3.3 World Humidity Sensitive Resistor Average Price by Region (2021-2032)
 - 1.3.4 North America Humidity Sensitive Resistor Production (2021-2032)
 - 1.3.5 Japan Humidity Sensitive Resistor Production (2021-2032)
 - 1.3.6 China Humidity Sensitive Resistor Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Humidity Sensitive Resistor Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Humidity Sensitive Resistor Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Humidity Sensitive Resistor Demand (2021-2032)
- 2.2 World Humidity Sensitive Resistor Consumption by Region
 - 2.2.1 World Humidity Sensitive Resistor Consumption by Region (2021-2026)
 - 2.2.2 World Humidity Sensitive Resistor Consumption Forecast by Region (2027-2032)
- 2.3 United States Humidity Sensitive Resistor Consumption (2021-2032)
- 2.4 China Humidity Sensitive Resistor Consumption (2021-2032)
- 2.5 Europe Humidity Sensitive Resistor Consumption (2021-2032)
- 2.6 Japan Humidity Sensitive Resistor Consumption (2021-2032)
- 2.7 South Korea Humidity Sensitive Resistor Consumption (2021-2032)
- 2.8 ASEAN Humidity Sensitive Resistor Consumption (2021-2032)
- 2.9 India Humidity Sensitive Resistor Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Humidity Sensitive Resistor Production Value by Manufacturer (2021-2026)
- 3.2 World Humidity Sensitive Resistor Production by Manufacturer (2021-2026)

3.3 World Humidity Sensitive Resistor Average Price by Manufacturer (2021-2026)

3.4 Humidity Sensitive Resistor Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Humidity Sensitive Resistor Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Humidity Sensitive Resistor in 2025

3.5.3 Global Concentration Ratios (CR8) for Humidity Sensitive Resistor in 2025

3.6 Humidity Sensitive Resistor Market: Overall Company Footprint Analysis

3.6.1 Humidity Sensitive Resistor Market: Region Footprint

3.6.2 Humidity Sensitive Resistor Market: Company Product Type Footprint

3.6.3 Humidity Sensitive Resistor Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Humidity Sensitive Resistor Production Value Comparison

4.1.1 United States VS China: Humidity Sensitive Resistor Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Humidity Sensitive Resistor Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Humidity Sensitive Resistor Production Comparison

4.2.1 United States VS China: Humidity Sensitive Resistor Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Humidity Sensitive Resistor Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Humidity Sensitive Resistor Consumption Comparison

4.3.1 United States VS China: Humidity Sensitive Resistor Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Humidity Sensitive Resistor Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Humidity Sensitive Resistor Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Humidity Sensitive Resistor Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Humidity Sensitive Resistor Production

Value (2021-2026)

4.4.3 United States Based Manufacturers Humidity Sensitive Resistor Production (2021-2026)

4.5 China Based Humidity Sensitive Resistor Manufacturers and Market Share

4.5.1 China Based Humidity Sensitive Resistor Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Humidity Sensitive Resistor Production Value (2021-2026)

4.5.3 China Based Manufacturers Humidity Sensitive Resistor Production (2021-2026)

4.6 Rest of World Based Humidity Sensitive Resistor Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Humidity Sensitive Resistor Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Humidity Sensitive Resistor Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Humidity Sensitive Resistor Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Humidity Sensitive Resistor Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Polymer Material

5.2.2 Ceramic Material

5.2.3 Composite Material

5.3 Market Segment by Type

5.3.1 World Humidity Sensitive Resistor Production by Type (2021-2032)

5.3.2 World Humidity Sensitive Resistor Production Value by Type (2021-2032)

5.3.3 World Humidity Sensitive Resistor Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PACKAGING FORM

6.1 World Humidity Sensitive Resistor Market Size Overview by Packaging Form: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Packaging Form

6.2.1 Through-hole Type

6.2.2 Chip Type

6.2.3 Probe Type

6.3 Market Segment by Packaging Form

6.3.1 World Humidity Sensitive Resistor Production by Packaging Form (2021-2032)

6.3.2 World Humidity Sensitive Resistor Production Value by Packaging Form
(2021-2032)

6.3.3 World Humidity Sensitive Resistor Average Price by Packaging Form
(2021-2032)

7 MARKET ANALYSIS BY REFERENCE IMPEDANCE

7.1 World Humidity Sensitive Resistor Market Size Overview by Reference Impedance:
2021 VS 2025 VS 2032

7.2 Segment Introduction by Reference Impedance

7.2.1 Low-impedance Type ($<10\text{ k}\Omega$)

7.2.2 Medium-impedance Type ($10\text{--}100\text{ k}\Omega$)

7.2.3 High-impedance Type ($>100\text{ k}\Omega$)

7.3 Market Segment by Reference Impedance

7.3.1 World Humidity Sensitive Resistor Production by Reference Impedance
(2021-2032)

7.3.2 World Humidity Sensitive Resistor Production Value by Reference Impedance
(2021-2032)

7.3.3 World Humidity Sensitive Resistor Average Price by Reference Impedance
(2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Humidity Sensitive Resistor Market Size Overview by Application: 2021 VS
2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Home Appliance

8.2.2 Consumer Electronics

8.2.3 Industrial Control

8.2.4 Automotive Electronics

8.2.5 Agriculture and Warehousing

8.2.6 Other

8.3 Market Segment by Application

8.3.1 World Humidity Sensitive Resistor Production by Application (2021-2032)

8.3.2 World Humidity Sensitive Resistor Production Value by Application (2021-2032)

8.3.3 World Humidity Sensitive Resistor Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Shinyei Technology

9.1.1 Shinyei Technology Details

9.1.2 Shinyei Technology Major Business

9.1.3 Shinyei Technology Humidity Sensitive Resistor Product and Services

9.1.4 Shinyei Technology Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Shinyei Technology Recent Developments/Updates

9.1.6 Shinyei Technology Competitive Strengths & Weaknesses

9.2 Hokuriku Electric Industry

9.2.1 Hokuriku Electric Industry Details

9.2.2 Hokuriku Electric Industry Major Business

9.2.3 Hokuriku Electric Industry Humidity Sensitive Resistor Product and Services

9.2.4 Hokuriku Electric Industry Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Hokuriku Electric Industry Recent Developments/Updates

9.2.6 Hokuriku Electric Industry Competitive Strengths & Weaknesses

9.3 Amphenol Advanced Sensors

9.3.1 Amphenol Advanced Sensors Details

9.3.2 Amphenol Advanced Sensors Major Business

9.3.3 Amphenol Advanced Sensors Humidity Sensitive Resistor Product and Services

9.3.4 Amphenol Advanced Sensors Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Amphenol Advanced Sensors Recent Developments/Updates

9.3.6 Amphenol Advanced Sensors Competitive Strengths & Weaknesses

9.4 Guangzhou Maihong Electronics

9.4.1 Guangzhou Maihong Electronics Details

9.4.2 Guangzhou Maihong Electronics Major Business

9.4.3 Guangzhou Maihong Electronics Humidity Sensitive Resistor Product and Services

9.4.4 Guangzhou Maihong Electronics Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Guangzhou Maihong Electronics Recent Developments/Updates

9.4.6 Guangzhou Maihong Electronics Competitive Strengths & Weaknesses

9.5 Guangzhou Aosong Electronics

9.5.1 Guangzhou Aosong Electronics Details

9.5.2 Guangzhou Aosong Electronics Major Business

9.5.3 Guangzhou Aosong Electronics Humidity Sensitive Resistor Product and

Services

9.5.4 Guangzhou Aosong Electronics Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Guangzhou Aosong Electronics Recent Developments/Updates

9.5.6 Guangzhou Aosong Electronics Competitive Strengths & Weaknesses

9.6 Dongguan Qixin Electronics

9.6.1 Dongguan Qixin Electronics Details

9.6.2 Dongguan Qixin Electronics Major Business

9.6.3 Dongguan Qixin Electronics Humidity Sensitive Resistor Product and Services

9.6.4 Dongguan Qixin Electronics Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Dongguan Qixin Electronics Recent Developments/Updates

9.6.6 Dongguan Qixin Electronics Competitive Strengths & Weaknesses

9.7 Shenzhen Shengqun Technology

9.7.1 Shenzhen Shengqun Technology Details

9.7.2 Shenzhen Shengqun Technology Major Business

9.7.3 Shenzhen Shengqun Technology Humidity Sensitive Resistor Product and Services

9.7.4 Shenzhen Shengqun Technology Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Shenzhen Shengqun Technology Recent Developments/Updates

9.7.6 Shenzhen Shengqun Technology Competitive Strengths & Weaknesses

9.8 Guangzhou Chuanju Electronics

9.8.1 Guangzhou Chuanju Electronics Details

9.8.2 Guangzhou Chuanju Electronics Major Business

9.8.3 Guangzhou Chuanju Electronics Humidity Sensitive Resistor Product and Services

9.8.4 Guangzhou Chuanju Electronics Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Guangzhou Chuanju Electronics Recent Developments/Updates

9.8.6 Guangzhou Chuanju Electronics Competitive Strengths & Weaknesses

9.9 Guangzhou Shengtai Lai Electronics

9.9.1 Guangzhou Shengtai Lai Electronics Details

9.9.2 Guangzhou Shengtai Lai Electronics Major Business

9.9.3 Guangzhou Shengtai Lai Electronics Humidity Sensitive Resistor Product and Services

9.9.4 Guangzhou Shengtai Lai Electronics Humidity Sensitive Resistor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Guangzhou Shengtai Lai Electronics Recent Developments/Updates

9.9.6 Guangzhou Shengtai Lai Electronics Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Humidity Sensitive Resistor Industry Chain

10.2 Humidity Sensitive Resistor Upstream Analysis

10.2.1 Humidity Sensitive Resistor Core Raw Materials

10.2.2 Main Manufacturers of Humidity Sensitive Resistor Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Humidity Sensitive Resistor Production Mode

10.6 Humidity Sensitive Resistor Procurement Model

10.7 Humidity Sensitive Resistor Industry Sales Model and Sales Channels

10.7.1 Humidity Sensitive Resistor Sales Model

10.7.2 Humidity Sensitive Resistor Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Humidity Sensitive Resistor Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Humidity Sensitive Resistor Production Value by Region (2021-2026) & (USD Million)

Table 3. World Humidity Sensitive Resistor Production Value by Region (2027-2032) & (USD Million)

Table 4. World Humidity Sensitive Resistor Production Value Market Share by Region (2021-2026)

Table 5. World Humidity Sensitive Resistor Production Value Market Share by Region (2027-2032)

Table 6. World Humidity Sensitive Resistor Production by Region (2021-2026) & (K Units)

Table 7. World Humidity Sensitive Resistor Production by Region (2027-2032) & (K Units)

Table 8. World Humidity Sensitive Resistor Production Market Share by Region (2021-2026)

Table 9. World Humidity Sensitive Resistor Production Market Share by Region (2027-2032)

Table 10. World Humidity Sensitive Resistor Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Humidity Sensitive Resistor Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Humidity Sensitive Resistor Major Market Trends

Table 13. World Humidity Sensitive Resistor Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Humidity Sensitive Resistor Consumption by Region (2021-2026) & (K Units)

Table 15. World Humidity Sensitive Resistor Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Humidity Sensitive Resistor Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Humidity Sensitive Resistor Producers in 2025

Table 18. World Humidity Sensitive Resistor Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Humidity Sensitive Resistor Producers in 2025

Table 20. World Humidity Sensitive Resistor Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Humidity Sensitive Resistor Company Evaluation Quadrant

Table 22. World Humidity Sensitive Resistor Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Humidity Sensitive Resistor Production Site of Key Manufacturer

Table 24. Humidity Sensitive Resistor Market: Company Product Type Footprint

Table 25. Humidity Sensitive Resistor Market: Company Product Application Footprint

Table 26. Humidity Sensitive Resistor Competitive Factors

Table 27. Humidity Sensitive Resistor New Entrant and Capacity Expansion Plans

Table 28. Humidity Sensitive Resistor Mergers & Acquisitions Activity

Table 29. United States VS China Humidity Sensitive Resistor Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Humidity Sensitive Resistor Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Humidity Sensitive Resistor Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Humidity Sensitive Resistor Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Humidity Sensitive Resistor Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Humidity Sensitive Resistor Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Humidity Sensitive Resistor Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Humidity Sensitive Resistor Production Market Share (2021-2026)

Table 37. China Based Humidity Sensitive Resistor Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Humidity Sensitive Resistor Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Humidity Sensitive Resistor Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Humidity Sensitive Resistor Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Humidity Sensitive Resistor Production Market

Share (2021-2026)

Table 42. Rest of World Based Humidity Sensitive Resistor Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Humidity Sensitive Resistor Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Humidity Sensitive Resistor Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Humidity Sensitive Resistor Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Humidity Sensitive Resistor Production Market Share (2021-2026)

Table 47. World Humidity Sensitive Resistor Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Humidity Sensitive Resistor Production by Type (2021-2026) & (K Units)

Table 49. World Humidity Sensitive Resistor Production by Type (2027-2032) & (K Units)

Table 50. World Humidity Sensitive Resistor Production Value by Type (2021-2026) & (USD Million)

Table 51. World Humidity Sensitive Resistor Production Value by Type (2027-2032) & (USD Million)

Table 52. World Humidity Sensitive Resistor Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Humidity Sensitive Resistor Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Humidity Sensitive Resistor Production Value by Packaging Form, (USD Million), 2021 & 2025 & 2032

Table 55. World Humidity Sensitive Resistor Production by Packaging Form (2021-2026) & (K Units)

Table 56. World Humidity Sensitive Resistor Production by Packaging Form (2027-2032) & (K Units)

Table 57. World Humidity Sensitive Resistor Production Value by Packaging Form (2021-2026) & (USD Million)

Table 58. World Humidity Sensitive Resistor Production Value by Packaging Form (2027-2032) & (USD Million)

Table 59. World Humidity Sensitive Resistor Average Price by Packaging Form (2021-2026) & (US\$/Unit)

Table 60. World Humidity Sensitive Resistor Average Price by Packaging Form (2027-2032) & (US\$/Unit)

Table 61. World Humidity Sensitive Resistor Production Value by Reference Impedance, (USD Million), 2021 & 2025 & 2032
Table 62. World Humidity Sensitive Resistor Production by Reference Impedance (2021-2026) & (K Units)
Table 63. World Humidity Sensitive Resistor Production by Reference Impedance (2027-2032) & (K Units)
Table 64. World Humidity Sensitive Resistor Production Value by Reference Impedance (2021-2026) & (USD Million)
Table 65. World Humidity Sensitive Resistor Production Value by Reference Impedance (2027-2032) & (USD Million)
Table 66. World Humidity Sensitive Resistor Average Price by Reference Impedance (2021-2026) & (US\$/Unit)
Table 67. World Humidity Sensitive Resistor Average Price by Reference Impedance (2027-2032) & (US\$/Unit)
Table 68. World Humidity Sensitive Resistor Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 69. World Humidity Sensitive Resistor Production by Application (2021-2026) & (K Units)
Table 70. World Humidity Sensitive Resistor Production by Application (2027-2032) & (K Units)
Table 71. World Humidity Sensitive Resistor Production Value by Application (2021-2026) & (USD Million)
Table 72. World Humidity Sensitive Resistor Production Value by Application (2027-2032) & (USD Million)
Table 73. World Humidity Sensitive Resistor Average Price by Application (2021-2026) & (US\$/Unit)
Table 74. World Humidity Sensitive Resistor Average Price by Application (2027-2032) & (US\$/Unit)
Table 75. Shinyei Technology Basic Information, Manufacturing Base and Competitors
Table 76. Shinyei Technology Major Business
Table 77. Shinyei Technology Humidity Sensitive Resistor Product and Services
Table 78. Shinyei Technology Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. Shinyei Technology Recent Developments/Updates
Table 80. Shinyei Technology Competitive Strengths & Weaknesses
Table 81. Hokuriku Electric Industry Basic Information, Manufacturing Base and Competitors
Table 82. Hokuriku Electric Industry Major Business

Table 83. Hokuriku Electric Industry Humidity Sensitive Resistor Product and Services

Table 84. Hokuriku Electric Industry Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Hokuriku Electric Industry Recent Developments/Updates

Table 86. Hokuriku Electric Industry Competitive Strengths & Weaknesses

Table 87. Amphenol Advanced Sensors Basic Information, Manufacturing Base and Competitors

Table 88. Amphenol Advanced Sensors Major Business

Table 89. Amphenol Advanced Sensors Humidity Sensitive Resistor Product and Services

Table 90. Amphenol Advanced Sensors Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Amphenol Advanced Sensors Recent Developments/Updates

Table 92. Amphenol Advanced Sensors Competitive Strengths & Weaknesses

Table 93. Guangzhou Maihong Electronics Basic Information, Manufacturing Base and Competitors

Table 94. Guangzhou Maihong Electronics Major Business

Table 95. Guangzhou Maihong Electronics Humidity Sensitive Resistor Product and Services

Table 96. Guangzhou Maihong Electronics Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Guangzhou Maihong Electronics Recent Developments/Updates

Table 98. Guangzhou Maihong Electronics Competitive Strengths & Weaknesses

Table 99. Guangzhou Aosong Electronics Basic Information, Manufacturing Base and Competitors

Table 100. Guangzhou Aosong Electronics Major Business

Table 101. Guangzhou Aosong Electronics Humidity Sensitive Resistor Product and Services

Table 102. Guangzhou Aosong Electronics Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Guangzhou Aosong Electronics Recent Developments/Updates

Table 104. Guangzhou Aosong Electronics Competitive Strengths & Weaknesses

Table 105. Dongguan Qixin Electronics Basic Information, Manufacturing Base and Competitors

Table 106. Dongguan Qixin Electronics Major Business

Table 107. Dongguan Qixin Electronics Humidity Sensitive Resistor Product and Services

Table 108. Dongguan Qixin Electronics Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Dongguan Qixin Electronics Recent Developments/Updates

Table 110. Dongguan Qixin Electronics Competitive Strengths & Weaknesses

Table 111. Shenzhen Shengqun Technology Basic Information, Manufacturing Base and Competitors

Table 112. Shenzhen Shengqun Technology Major Business

Table 113. Shenzhen Shengqun Technology Humidity Sensitive Resistor Product and Services

Table 114. Shenzhen Shengqun Technology Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Shenzhen Shengqun Technology Recent Developments/Updates

Table 116. Shenzhen Shengqun Technology Competitive Strengths & Weaknesses

Table 117. Guangzhou Chuanju Electronics Basic Information, Manufacturing Base and Competitors

Table 118. Guangzhou Chuanju Electronics Major Business

Table 119. Guangzhou Chuanju Electronics Humidity Sensitive Resistor Product and Services

Table 120. Guangzhou Chuanju Electronics Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Guangzhou Chuanju Electronics Recent Developments/Updates

Table 122. Guangzhou Chuanju Electronics Competitive Strengths & Weaknesses

Table 123. Guangzhou Shengtai Lai Electronics Basic Information, Manufacturing Base and Competitors

Table 124. Guangzhou Shengtai Lai Electronics Major Business

Table 125. Guangzhou Shengtai Lai Electronics Humidity Sensitive Resistor Product and Services

Table 126. Guangzhou Shengtai Lai Electronics Humidity Sensitive Resistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Guangzhou Shengtai Lai Electronics Recent Developments/Updates

Table 128. Guangzhou Shengtai Lai Electronics Competitive Strengths & Weaknesses

Table 129. Global Key Players of Humidity Sensitive Resistor Upstream (Raw Materials)

Table 130. Global Humidity Sensitive Resistor Typical Customers

Table 131. Humidity Sensitive Resistor Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Humidity Sensitive Resistor Picture

Figure 2. World Humidity Sensitive Resistor Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Humidity Sensitive Resistor Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Humidity Sensitive Resistor Production (2021-2032) & (K Units)

Figure 5. World Humidity Sensitive Resistor Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Humidity Sensitive Resistor Production Value Market Share by Region (2021-2032)

Figure 7. World Humidity Sensitive Resistor Production Market Share by Region (2021-2032)

Figure 8. North America Humidity Sensitive Resistor Production (2021-2032) & (K Units)

Figure 9. Japan Humidity Sensitive Resistor Production (2021-2032) & (K Units)

Figure 10. China Humidity Sensitive Resistor Production (2021-2032) & (K Units)

Figure 11. Humidity Sensitive Resistor Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 14. World Humidity Sensitive Resistor Consumption Market Share by Region (2021-2032)

Figure 15. United States Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 16. China Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 17. Europe Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 18. Japan Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 19. South Korea Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 20. ASEAN Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 21. India Humidity Sensitive Resistor Consumption (2021-2032) & (K Units)

Figure 22. Producer Shipments of Humidity Sensitive Resistor by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 23. Global Four-firm Concentration Ratios (CR4) for Humidity Sensitive Resistor Markets in 2025

Figure 24. Global Four-firm Concentration Ratios (CR8) for Humidity Sensitive Resistor Markets in 2025

Figure 25. United States VS China: Humidity Sensitive Resistor Production Value

Market Share Comparison (2021 & 2025 & 2032)

Figure 26. United States VS China: Humidity Sensitive Resistor Production Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Humidity Sensitive Resistor Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States Based Manufacturers Humidity Sensitive Resistor Production Market Share 2025

Figure 29. China Based Manufacturers Humidity Sensitive Resistor Production Market Share 2025

Figure 30. Rest of World Based Manufacturers Humidity Sensitive Resistor Production Market Share 2025

Figure 31. World Humidity Sensitive Resistor Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 32. World Humidity Sensitive Resistor Production Value Market Share by Type in 2025

Figure 33. Polymer Material

Figure 34. Ceramic Material

Figure 35. Composite Material

Figure 36. World Humidity Sensitive Resistor Production Market Share by Type (2021-2032)

Figure 37. World Humidity Sensitive Resistor Production Value Market Share by Type (2021-2032)

Figure 38. World Humidity Sensitive Resistor Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World Humidity Sensitive Resistor Production Value by Packaging Form, (USD Million), 2021 & 2025 & 2032

Figure 40. World Humidity Sensitive Resistor Production Value Market Share by Packaging Form in 2025

Figure 41. Through-hole Type

Figure 42. Chip Type

Figure 43. Probe Type

Figure 44. World Humidity Sensitive Resistor Production Market Share by Packaging Form (2021-2032)

Figure 45. World Humidity Sensitive Resistor Production Value Market Share by Packaging Form (2021-2032)

Figure 46. World Humidity Sensitive Resistor Average Price by Packaging Form (2021-2032) & (US\$/Unit)

Figure 47. World Humidity Sensitive Resistor Production Value by Reference Impedance, (USD Million), 2021 & 2025 & 2032

Figure 48. World Humidity Sensitive Resistor Production Value Market Share by Reference Impedance in 2025

Figure 49. Low-impedance Type ($<10\text{ k}\Omega$)

Figure 50. Medium-impedance Type ($10\text{--}100\text{ k}\Omega$)

Figure 51. High-impedance Type ($>100\text{ k}\Omega$)

Figure 52. World Humidity Sensitive Resistor Production Market Share by Reference Impedance (2021-2032)

Figure 53. World Humidity Sensitive Resistor Production Value Market Share by Reference Impedance (2021-2032)

Figure 54. World Humidity Sensitive Resistor Average Price by Reference Impedance (2021-2032) & (US\$/Unit)

Figure 55. World Humidity Sensitive Resistor Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Humidity Sensitive Resistor Production Value Market Share by Application in 2025

Figure 57. Home Appliance

Figure 58. Consumer Electronics

Figure 59. Industrial Control

Figure 60. Automotive Electronics

Figure 61. Agriculture and Warehousing

Figure 62. Other

Figure 63. World Humidity Sensitive Resistor Production Market Share by Application (2021-2032)

Figure 64. World Humidity Sensitive Resistor Production Value Market Share by Application (2021-2032)

Figure 65. World Humidity Sensitive Resistor Average Price by Application (2021-2032) & (US\$/Unit)

Figure 66. Humidity Sensitive Resistor Industry Chain

Figure 67. Humidity Sensitive Resistor Procurement Model

Figure 68. Humidity Sensitive Resistor Sales Model

Figure 69. Humidity Sensitive Resistor Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

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