

# Global Humidity Sensitive Resistor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Humidity Sensitive Resistor market size was valued at US\$ 74.08 million in 2025 and is forecast to a readjusted size of US\$ 90.74 million by 2032 with a CAGR of 2.9% during review period.

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 is a detailed and comprehensive analysis for global Humidity Sensitive Resistor 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 Humidity Sensitive Resistor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Humidity Sensitive Resistor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Humidity Sensitive Resistor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Humidity Sensitive Resistor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Humidity Sensitive Resistor

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 Humidity Sensitive Resistor 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 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.

## Market Segmentation

Humidity Sensitive Resistor market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Polymer Material

Ceramic Material

Composite Material

### Market segment by Packaging Form

Through-hole Type

Chip Type

Probe Type

### Market segment by Reference Impedance

Low-impedance Type (?10 k?)

Medium-impedance Type (10?100 k?)

High-impedance Type (>100 k?)

#### Market segment by Application

Home Appliance

Consumer Electronics

Industrial Control

Automotive Electronics

Agriculture and Warehousing

Other

#### Major players covered

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

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 Humidity Sensitive Resistor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Humidity Sensitive Resistor, with price, sales quantity, revenue, and global market share of Humidity Sensitive Resistor from 2021 to 2026.

Chapter 3, the Humidity Sensitive Resistor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Humidity Sensitive Resistor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the

world, from 2021 to 2026.and Humidity Sensitive Resistor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Humidity Sensitive Resistor.

Chapter 14 and 15, to describe Humidity Sensitive Resistor sales channel, distributors, customers, research findings and conclusion.

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