

Global Absolute Humidity Sensor Market Growth 2025-2031

<https://marketpublishers.com/r/G3EF23116181EN.html>

Date: August 2025

Pages: 139

Price: US\$ 3,660.00 (Single User License)

ID: G3EF23116181EN

Abstracts

The global Absolute Humidity Sensor market size is predicted to grow from US\$ 1523 million in 2025 to US\$ 2471 million in 2031; it is expected to grow at a CAGR of 8.4% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

An absolute humidity sensor is a device used to measure the absolute humidity in the air. Absolute humidity refers to the mass of water vapor present in a given volume of air, usually expressed in grams per cubic meter (g/m³). This type of sensor typically employs various sensing principles and technologies, such as capacitive, resistive, or chilled - mirror methods, to accurately detect and quantify the amount of water vapor in the surrounding environment. It is widely used in fields like HVAC (Heating, Ventilation, and Air Conditioning) systems, meteorology, industrial process control, and agricultural monitoring to ensure proper humidity levels for various applications.

United States market for Absolute Humidity Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Absolute Humidity Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Absolute Humidity Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Absolute Humidity Sensor players cover Sartorius, Mettler-Toledo, Ohaus Corporation, Thermo Fisher, Michell Instruments, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Absolute Humidity Sensor Industry Forecast” looks at past sales and reviews total world Absolute Humidity Sensor sales in 2024, providing a comprehensive analysis by region and market sector of projected Absolute Humidity Sensor sales for 2025 through 2031. With Absolute Humidity Sensor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Absolute Humidity Sensor industry.

This Insight Report provides a comprehensive analysis of the global Absolute Humidity Sensor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Absolute Humidity Sensor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Absolute Humidity Sensor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Absolute Humidity Sensor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Absolute Humidity Sensor.

This report presents a comprehensive overview, market shares, and growth opportunities of Absolute Humidity Sensor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Halogen Moisture Sensor

Infrared Moisture Sensor

Microwave Moisture Sensor

Segmentation by Application:

Smart Home and Home Appliances

Agriculture and Animal Husbandry

Industrial Production and Warehousing

Medical and Laboratory

Automobile and Aerospace

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Sartorius

Mettler-Toledo

Ohaus Corporation

Thermo Fisher

Michell Instruments

AMETEK

GE

CEM

SINAR

GOW-MAC

Hach

Precisa

PCE Instruments

A & D Engineering

Torbil

Adam Equipment

Arizona Instrument

Key Questions Addressed in this Report

What is the 10-year outlook for the global Absolute Humidity Sensor market?

What factors are driving Absolute Humidity Sensor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Absolute Humidity Sensor market opportunities vary by end market size?

How does Absolute Humidity Sensor break out by Type, by Application?

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