

# Global Vacuum Switch Vacuum Degree Tester Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G622A9BD3838EN.html>

Date: February 2026

Pages: 123

Price: US\$ 4,480.00 (Single User License)

ID: G622A9BD3838EN

## Abstracts

The global Vacuum Switch Vacuum Degree Tester market size is expected to reach \$ 355 million by 2032, rising at a market growth of 4.1% CAGR during the forecast period (2026-2032).

The vacuum switch vacuum degree tester is a specialized testing device used in power systems and industrial fields. Its main function is to quantitatively measure the vacuum level of vacuum interrupters without disassembling the vacuum circuit breaker. Based on the principle of magnetron discharge, it measures the ion current by applying pulsed high voltage and a synchronous magnetic field to determine whether the vacuum tube has failed. It features accurate detection and simple operation.

Its upstream core suppliers include electronic components such as high-performance microcontrollers (MCUs), high-voltage pulse generators, vacuum pressure calibration sensors, magnetic control coils, and precision analog-to-digital converter modules (ADCs). The stability and anti-interference capabilities of these components directly determine the instrument's measurement accuracy.

Global sales are projected to reach approximately 130,000 units in 2025. Product prices depend on factors such as accuracy, brand, and functionality, with basic models priced at around \$1,500-\$3,000, while intelligent high-end models can exceed \$8,000. The industry's gross profit margin is in the range of 25%-40%.

The frequent switching operations of wind and solar power plants pose a severe challenge to the mechanical life and sealing performance of vacuum interrupters, directly leading to a large-scale demand for regular inspections. Technologically, the maturity of magnetron discharge technology has solved the problem of on-site quantitative measurement without disassembling the interrupter, significantly reducing

maintenance costs. Furthermore, increasingly stringent national and power industry standards mandate regular vacuum level testing of operating vacuum switches, and this policy direction provides stable growth potential for the testing equipment market.

This report studies the global Vacuum Switch Vacuum Degree Tester production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Vacuum Switch Vacuum Degree Tester 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 Vacuum Switch Vacuum Degree Tester that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Vacuum Switch Vacuum Degree Tester total production and demand, 2021-2032, (K Units)

Global Vacuum Switch Vacuum Degree Tester total production value, 2021-2032, (USD Million)

Global Vacuum Switch Vacuum Degree Tester production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Vacuum Switch Vacuum Degree Tester consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Vacuum Switch Vacuum Degree Tester domestic production, consumption, key domestic manufacturers and share

Global Vacuum Switch Vacuum Degree Tester production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Vacuum Switch Vacuum Degree Tester production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Vacuum Switch Vacuum Degree Tester production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Vacuum Switch Vacuum Degree Tester 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 Doble, Megger, Vacuum Interrupters, HighTest Technology, Veer Electronics, Neo Tele-Tronix, Ivtek Power, Hubbell, Huazheng Electric Manufacturing, Wuhan Dingsheng Electric Power, 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 Vacuum Switch Vacuum Degree Tester 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 Vacuum Switch Vacuum Degree Tester Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Vacuum Switch Vacuum Degree Tester Market, Segmentation by Type:

Magnetron Discharge Method

Pressure-resistant Method

Others

Global Vacuum Switch Vacuum Degree Tester Market, Segmentation by Installation Method:

Portable

Desktop

Global Vacuum Switch Vacuum Degree Tester Market, Segmentation by Detection Method:

Offline

Online

Global Vacuum Switch Vacuum Degree Tester Market, Segmentation by Application:

Petrochemical

Electricity

Iron & Steel

Railway

Others

Companies Profiled:

Doble

Megger

Vacuum Interrupters

HighTest Technology

Veer Electronics

Neo Tele-Tronix

Ivtek Power

Hubbell

Huazheng Electric Manufacturing

Wuhan Dingsheng Electric Power

Wuhan Kaidi Zhengda

Wuhan Kegang Power

Wuhan Chuangjie Power

Wuhan Guoshi Electric

### **Key Questions Answered:**

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

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