

Global Hazardous Area Resolvers Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Hazardous Area Resolvers market size is expected to reach \$ 679 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

In 2025, global Hazardous Area Resolver output reached about 7 million units and global capacity of around 9 million units. The average price is about USD 60 per unit, with gross margins near 32%. Hazardous Area Resolvers are rugged rotary position sensors designed to operate safely and reliably in explosive or high-risk environments where flammable gases, vapors, or dust may be present. A resolver works on electromagnetic induction principles to convert the angular position of a rotating shaft into analog sine and cosine signals, enabling precise feedback for motor control systems. In hazardous areas (such as oil & gas, mining, or chemical plants), these devices are engineered with explosion-proof or intrinsically safe housings, high-temperature insulation, and sealed enclosures to comply with standards like ATEX and IECEx. The supply chain begins with upstream suppliers of copper windings, laminated steel cores, high-temperature polymers, and explosion-proof enclosures, along with specialized insulation and sealing materials. Midstream manufacturers design and assemble the resolver units, integrate them with shafts and housings, and perform rigorous certification testing. Downstream, system integrators incorporate these resolvers into motors, actuators, and control systems used in industries such as petrochemical processing, offshore drilling, pharmaceuticals, and heavy industrial automation, with distribution handled through OEM partnerships and industrial component suppliers.

This report studies the global Hazardous Area Resolvers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hazardous Area Resolvers 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 Hazardous Area Resolvers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hazardous Area Resolvers total production and demand, 2021-2032, (K Units)

Global Hazardous Area Resolvers total production value, 2021-2032, (USD Million)

Global Hazardous Area Resolvers production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Hazardous Area Resolvers consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Hazardous Area Resolvers domestic production, consumption, key domestic manufacturers and share

Global Hazardous Area Resolvers production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Hazardous Area Resolvers production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Hazardous Area Resolvers production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Hazardous Area Resolvers 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 Honeywell (USA), AMETEK (USA), Moog (USA), Tamagawa Seiki (Japan), MinebeaMitsumi (Japan), Micronor Sensors (USA), Dynapar (USA), Hengstler (Germany), Servotronics (UK), Admotec (USA), 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 Hazardous Area Resolvers 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 Hazardous Area Resolvers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Hazardous Area Resolvers Market, Segmentation by Type:

Explosion-proof (Ex d)

Increased Safety (Ex e)

Intrinsic Safety (Ex i)

Pressurization (Ex p)

Global Hazardous Area Resolvers Market, Segmentation by Accuracy Level:

Standard ($\pm 10+$ arc-min)

High-precision (± 5 arc-min)

Global Hazardous Area Resolvers Market, Segmentation by Application:

Industrial

Oil & Gas

Mining

Power Generation

Marine

Pharmaceutical

Others

Companies Profiled:

Honeywell (USA)

AMETEK (USA)

Moog (USA)

Tamagawa Seiki (Japan)

MinebeaMitsumi (Japan)

Micronor Sensors (USA)

Dynapar (USA)

Hengstler (Germany)

Servotronics (UK)

Admotec (USA)

Ducommun (USA)

Woodward (USA)

Collins Aerospace (USA)

Safran (France)

Thales Group (France)

TT Electronics (UK)

Ultra Electronics (UK)

Warom Group (China)

Feice Explosion-proof Electric (China)

Nanyang Explosion-proof Motor (China)

Key Questions Answered:

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

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