

Gas Sensors Market Competition Analysis 2025: How Players Are Shaping Growth

The Business Research Company's Gas Sensors Global Market Report 2025 - Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, December 30, 2025 /EINPresswire.com/ -- [The Gas Sensors market](#) is dominated by a mix of global sensor manufacturers and regional technology innovators. Companies are

focusing on advanced detection technologies, improved sensing accuracy, and miniaturized sensor designs to strengthen market presence and meet evolving regulatory standards. With rising demand from industrial safety, environmental monitoring, healthcare, and smart home applications, vendors are enhancing product capabilities and integration features. Understanding the competitive landscape is key for stakeholders seeking growth opportunities and strategic partnerships.



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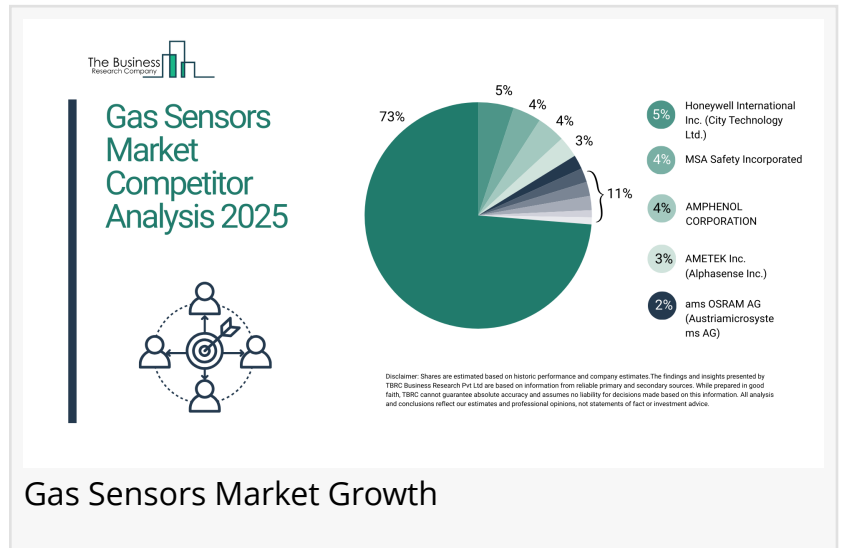
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Which Market Player Is Leading the Gas Sensors Market?
According to our research, Honeywell International Inc. (City Technology Ltd) led global sales in 2023 with a 5% market share. The Sensing and Safety Technologies division of the company is partially involved in the gas sensors market, provides advanced gas sensors and related safety solutions designed to monitor and detect hazardous gases in industrial, commercial, and residential

environments. These solutions are engineered to enhance safety, productivity, and compliance across a wide range of sectors, such as oil and gas, manufacturing, logistics, and healthcare, leveraging Honeywell's expertise in sensor technology, IoT integration, and real-time monitoring to protect both people and assets.

How Concentrated Is the Gas Sensors Market?

The market is concentrated, with the top 10 players accounting for 25% of total market revenue



in 2023. This level of concentration reflects the industry's reliance on advanced manufacturing capabilities, precision engineering, and strong technological expertise factors that create notable entry barriers for new competitors. Leading vendors such as Honeywell International Inc. (City Technology Ltd.), MSA Safety Incorporated, Amphenol Corporation, and AMETEK Inc. (Alphasense Inc.) maintain their dominance through extensive product portfolios, established industrial relationships, and high-performance, and certified sensing technologies. Meanwhile, mid-sized and emerging firms continue to address specialized detection requirements and sector-specific applications. As demand rises for smart sensing, connected monitoring systems, and IoT-enabled industrial safety solutions, the market is expected to witness greater strategic collaborations, portfolio expansions, and potential consolidation further strengthening the position of major players.

- Leading companies include:
 - o Honeywell International Inc. (City Technology Ltd.) (5%)
 - o MSA Safety Incorporated (4%)
 - o AMPHENOL CORPORATION (4%)
 - o AMETEK Inc. (Alphasense Inc.) (3%)
 - o ams OSRAM AG (Austriamicrosystems AG) (2%)
 - o Process Sensing Technologies (Dynamant) (2%)
 - o Sensirion AG (2%)
 - o Nissha Co., Ltd (2%)
 - o Fuji Electric Co, Ltd (2%)
 - o Renesas Electronics Corporation (1%)

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Which Companies Are Leading Across Different Regions?

- North America: GHGSat, MIRICO Ltd., Aeroqual Ltd., Picarro, CO2Meter, DOD Technologies, Amphenol Advanced Sensors, Dynamant Ltd., Mocon Inc., RKL Instruments, Figaro USA Inc., SGX Sensortech USA, Spec Sensors and Dräger USA are leading companies in this region.
- Asia Pacific: MSA Safety, KARAM Safety, Hanwei Electronics Group Corporation, Figaro Engineering Inc., Winsen Electronics Technology Co., Ltd., Zhengzhou Yuntong Intelligence Technology Co., Ltd., Cubic Sensor and Instrument Co., Ltd., Nemoto & Co., Ltd., New Cosmos Electric Co., Ltd., NGK Spark Plug Co., Ltd., Riken Keiki Co., Ltd., SENKO Co., Ltd., Sensorview Co., Ltd., Korea New Ceramics Co., Ltd. and Ogam Technologies are leading companies in this region.
- Western Europe: Mir Sense, Draeger Safety, Sensorix GmbH, Alphasense Ltd., SGX Sensortech, Drägerwerk AG & Co. KGaA and City Technology Ltd are leading companies in this region.
- Eastern Europe: SGX Sensortech, Workswell s.r.o., RVMagnetics, Invest Electronics Ltd. and Gazprom Promgaz are leading companies in this region.
- South America: ABB, Honeywell, Bosch, Siemens, Gemsensor SRL and Sense Eletrônica Ltda. are leading companies in this region.

What Are the Major Competitive Trends in the Market?

- Flame sensors for safer gas turbine environments is transforming to accurately detect the presence of a flame within the combustion chamber, ensuring that the turbine operates within safe parameters.
- Example: Baker Hughes Flame Tracker Increased Low Gain (ILG) (May 2025) assigns flame sensing capabilities on gas turbines.
- This innovation provides early warnings when the flame becomes lost or unstable, automatically triggering a shutdown sequence to protect the turbine and reduce safety risks, including potential explosions caused by unburned fuel buildup.

Which Strategies Are Companies Adopting to Stay Ahead?

- Launching targeted acquisition-driven initiatives to expand business capabilities and strengthen overall growth strategy.
- Enhancing R&D investments and manufacturing capabilities to improve sensor accuracy, response time, and long-term reliability across diverse environments.
- Focusing on integrating smart connectivity features such as IoT, wireless monitoring, and real-time analytics to support predictive maintenance and continuous safety compliance.
- Leveraging cloud-enabled monitoring systems and data-driven platforms to deliver scalable, remote diagnostics and centralized gas safety management for industrial and commercial applications.

Access the detailed Gas Sensors Market report here

<https://www.thebusinessresearchcompany.com/report/gas-sensors-global-market-report>

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