

2018-2023 Global Infrared Gas Sensor Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Infrared Gas Sensor market for 2018-2023. Infrared Gas Sensors utilize only part of the infrared spectrum, corresponding to wavelengths which are absorbed by the gas to be detected. The optical bandwidth of a laser source is sufficiently narrow for it to be used directly, but with wideband sources such as thermal sources or even LED's some additional wavelength selection in the optical path is required to achieve usable sensitivity and selectivity. The optical bandwidth of a sensor should ideally be matched to the absorption band of the gas (matching system bandwidth to the information carrying bandwidth) which is typically in the tens or low hundreds of nanometers.

Wavelength selection can be achieved using prisms or diffraction gratings, these being termed dispersive systems since they separate wavelengths spatially. Alternatively, a non-dispersive element may be used such as a multilayer thin film filter.

Nowadays commercial single gas IR gas sensors, as opposed to analytical instruments, are all based on NDIR techniques.

Technology innovation, primarily due to enhanced manufacturing processes and embedded electronics is expected to drive the gas sensors market. For example, in the industry sector, hazardous emissions has led to the framing of legislations for emission control and created the need to monitor its concentration. Whilst in manufacturing plants related to flammable gas, fire detection and combustible gas concentration need to be measured to guarantee worker's safety. As consumer electronics became more common in people's life, portable devices employed to collect environment air data are more seemingly to be purchased by individuals who are aware of healthy problems and IR gas sensors are on the essential list of a HVAC system configuration.

Europe was the leading region of IR gas sensor consumption in 2015 and accounted for 27% of the global revenue, primarily due to the technology advancement in the region, especially UK, Switzerland and Russia, additionally the more advanced greenhouse gas emission standards established by EU.

China is potentially the biggest future market of IR gas sensor as it generates world's largest CO₂ emission segment at the moment though insufficient actions were taken to regulate the industries. On the other hand, China is the No.1 country in medical consumption, which will enhance the IR gas sensor market expansion due to the upgrade of medical instruments.

Over the next five years, LPI(LP Information) projects that Infrared Gas Sensor will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

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

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

CO₂

Combustible Gases

Other Indexes

Segmentation by application:

Industrial

Residential

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

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Alphasense

CityTechnology Ltd

Drager

GSS

GE

Senseair

Dynament

SGX Sensortech (IS)

SmartGAS

Mipex

Clairair

Heimann

M-U-T

Edinburgh Sensors

Hanwei

NE Sensor

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

RESEARCH OBJECTIVES

To study and analyze the global Infrared Gas Sensor consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Infrared Gas Sensor market by identifying its various subsegments.

Focuses on the key global Infrared Gas Sensor manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Infrared Gas Sensor with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Infrared Gas Sensor submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new

product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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