

# Global Hand-Held Gas Detectors Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Hand-Held Gas Detectors market size is expected to reach \$ 1413 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Handheld gas detectors are portable safety monitoring devices that can detect combustible gases, toxic gases, oxygen, and some volatile organic compounds in real time. They provide environmental risk alerts through audible, visual, and vibration alarms and are commonly used for personal protective equipment and on-site inspections.

Upstream industries mainly include electrochemical, catalytic combustion, infrared, and PID sensors, as well as chips, batteries, displays, pumps, explosion-proof housings, and standard gas consumables. Downstream industries primarily serve petrochemical, oil and gas, mining, power, fire protection, wastewater treatment, warehousing and logistics, and confined space operations.

The global average price of a handheld gas detector is \$704 per unit, with annual sales of approximately 1.396 million units and a global production capacity of 2 million units. The industry profit margin is 20%.

In the future, handheld gas detectors will continue to upgrade towards multi-gas integration, wireless connectivity, cloud platform management, and intelligent compliance. The products will not only emphasize detection accuracy and response speed, but also place greater emphasis on Bluetooth/mobile terminal linkage, remote visualization, automatic bump test and calibration, device group management, and real-time status monitoring of operators. At the same time, miniaturized, durable, long-life sensors and solutions suitable for high-risk scenarios such as confined spaces and

independent operations will become the focus of the industry's continued evolution.

This report studies the global Hand-Held Gas Detectors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hand-Held Gas Detectors 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 Hand-Held Gas Detectors that contribute to its increasing demand across many markets.

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

Global Hand-Held Gas Detectors total production and demand, 2021-2032, (K Units)

Global Hand-Held Gas Detectors total production value, 2021-2032, (USD Million)

Global Hand-Held Gas Detectors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Hand-Held Gas Detectors consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Hand-Held Gas Detectors domestic production, consumption, key domestic manufacturers and share

Global Hand-Held Gas Detectors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Hand-Held Gas Detectors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Hand-Held Gas Detectors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Hand-Held Gas Detectors 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, MSA Safety, Industrial Scientific, Hikvision, Danfoss, Emerson, Drager, FLIR, Fluke, Halma, 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 Hand-Held Gas Detectors 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 Hand-Held Gas Detectors Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

**Global Hand-Held Gas Detectors Market, Segmentation by Type:**

Combustible Gas Detector

Toxic Gas Detector

Oxygen Detector

Volatile Organic Compound Detector

## Global Hand-Held Gas Detectors Market, Segmentation by Number of Gases Detectable:

Single Gas Detector

Multi-Gas Detector

## Global Hand-Held Gas Detectors Market, Segmentation by Sampling Methods:

Diffusion Type

Pump suction Type

## Global Hand-Held Gas Detectors Market, Segmentation by Application:

Personal Protection

Industrial Factory

Construction Works

Others

## Companies Profiled:

Honeywell

MSA Safety

Industrial Scientific

Hikvision

Danfoss

Emerson

Drager

FLIR

Fluke

Halma

Hanwei Electronics Group

Guide Infrared

Opgal

Viper Imaging

Peiport

Raythink

Crowcon

Raytron Technology

Dahua Technology

Sensit

### **Key Questions Answered:**

1. How big is the global Hand-Held Gas Detectors market?
2. What is the demand of the global Hand-Held Gas Detectors market?
3. What is the year over year growth of the global Hand-Held Gas Detectors market?
4. What is the production and production value of the global Hand-Held Gas Detectors market?
5. Who are the key producers in the global Hand-Held Gas Detectors market?
6. What are the growth factors driving the market demand?

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