

# Global Breath Analyzer Market: 2026 Edition

<https://marketpublishers.com/r/G9BF14F854F7EN.html>

Date: February 2026

Pages: 126

Price: US\$ 2,250.00 (Single User License)

ID: G9BF14F854F7EN

## Abstracts

A breath analyzer is a non-invasive diagnostic device used to measure and analyze components in exhaled breath. The global breath analyzer market refers to the global industry engaged in manufacturing, marketing, and distribution of breath analyzer equipment used for detecting and measuring alcohol, drugs, or medical conditions through breath analysis. The global breath analyzer market value stood at US\$1.91 billion in 2024, and is expected to reach US\$4.83 billion by 2030.

Breath analyzers play a critical role in law enforcement, healthcare, workplace safety, and personal monitoring, contributing to public safety and health management. The market is positively influenced by various factors, including rise in per capita income, increasing demand for non-invasive diagnostic instruments, tougher enforcement of drunk driving laws, growing public awareness of the harmful repercussions of alcohol consumption, rising prevalence of respiratory diseases, increasing demand for personal portable breath analyzers, rising cases of alcohol & drug abuse, increasing legal awareness and enforcement of drug addiction legislation, and rising government healthcare investment. Also, as governments around the world continue to prioritize initiatives to reduce road accidents caused by impaired driving, the demand for breath analyzers is likely to increase in the forecasted period. The market is expected to grow at a CAGR of 16.72% over the projected period of 2025-2030.

### Market Segmentation Analysis:

By Technology: The report provides the bifurcation of the global breath analyzer market into four segments on the basis of technology, namely, fuel cell technology, infrared spectroscopy, semiconductor sensor, and other technology. Fuel cell technology holds a significant share in the global breathalyzers market owing to its compact size, higher accuracy, longer life, and low power consumption requirements. Unlike semiconductor-based sensors, fuel cell sensors offer precise results, even at low alcohol

concentrations, making them the preferred choice for law enforcement and professional applications. Fuel cell technology is the largest and fastest growing segment of global breath analyzer market owing to growing emphasis on workplace safety compliance, increasing cases of drunk driving accidents, growing demand for evidential-grade testing devices, rising awareness about the dangers of drunk driving, increasing demand for portable & handheld breath analyzers for roadside testing and workplace alcohol screening, strict implementation of DUI (Driving Under the Influence) laws and zero-tolerance policies, rising number of corporate wellness and employee assistance programs, and stringent alcohol testing regulations for aviation, shipping, and railway industries.

**By Application:** The report provides the bifurcation of the global breath analyzer market into three segments on the basis of application, namely, alcohol detection, medical applications, and drug abuse detection. Alcohol detection is the largest and fastest growing segment of global breath analyzer market owing to increasing alcohol consumption among younger demographics, rising demand in high-risk industries, including construction, aviation, military and transportation, global presence of stringent drunk driving laws, increased consumer awareness about road safety, mandatory adoption of ignition interlock devices in vehicles for repeat DUI offenders, rising number of alcohol-related road accidents, and increasing government investment in public safety campaigns and alcohol testing programs.

**By End User:** The report provides the bifurcation of the global breath analyzer market into three segments on the basis of end user: consumer electronics, industrial handheld tools, medical applications, and other applications. Law enforcement is the largest and fastest growing segment of global breath analyzer market owing to stringent regulations against drunk driving, increasing demand for portable & handheld devices, increasing law enforcement efforts to ensure mandatory alcohol testing for commercial drivers, rise in drug-impaired driving cases, increasing number of frequent breath analyzer tests by law enforcement agencies to deter alcohol-impaired driving, implementation of legal mandate to keep breath analyzers for individuals with past DUI convictions, and rising demand for screening and evidential testing to ensure public safety.

**By Region:** The report provides insight into the global breath analyzers market based on regions namely, North America, Europe, Asia Pacific, and rest of the world. North America is the largest region of global breath analyzer market owing to, presence of large population base addicted to excessive alcohol consumption, well-established healthcare system, increased awareness about road traffic safety, rising number of drunk & drive cases, high product adoption rates in law enforcement & workplaces,

ongoing advancements in sensor technology, presence of relatively stronger law enforcement infrastructure in the region, and strong presence of key players including Abbott Laboratories, Lifeloc Technologies, Inc., Intoximeters, Inc., etc. in the region. In addition, the growing need for non-invasive diagnostic tools in healthcare, particularly for conditions such as asthma and metabolic disorders, is further boosting the adoption of breath analyzers in the region.

Asia Pacific is the fastest growing segment of the global breath analyzer market owing to rapid urbanization, rise in the number of road accidents, increased availability of low-cost breath analyzers in the region, growing adoption of breath analyzers in industries such as healthcare and transportation, presence of stricter regulations against DUI, growing corporate concern regarding workplace safety, rising instances of drunken driving & drug abuse in countries such as India, China, and Japan, and growing demand for advanced healthcare services for the detection of asthma, tuberculosis & other diseases in Asian countries. On the basis of region, the Asia Pacific breath analyzer market is divided into three segments, namely, China, India, and the rest of Asia Pacific, where China is the largest region of the Asia Pacific breath analyzer market as a result of rising alcohol consumption among urban residents, presence of a strong domestic manufacturing base for electronic and medical devices, rapidly expanding healthcare sector, increasing government initiatives for road safety, positively growing e-commerce sector, rising disposable income of health-conscious middle class population, and increasing workplace compliance and safety regulations in high-risk industries such as mining, manufacturing, and transportation.

### **Market Dynamics:**

**Growth Drivers:** The global breath analyzer market has been rapidly growing over the past few years, due to factors such as rising alcohol consumption and drug abuse, increasing demand in medical diagnosis, growing emphasis on workplace safety compliance, strict government laws and regulations, increasing cases of drunk driving, etc. According to CDC, in 2020, 11,654 people were killed in motor vehicle crashes involving alcohol-impaired drivers, accounting for 30% of all traffic-related deaths in the US. Similarly, according to the National Highway Traffic Safety Administration (NHTSA), every day, about 37 people in the US die in drunk-driving crashes, i.e. one person in every 39 minutes. About 32% of all traffic crash fatalities in the US involve drunk drivers (with BACs of .08 g/dL or higher). In 2022, 13,524 people died in alcohol-impaired driving traffic deaths in the US. So, with increased drunk driving cases, law enforcement agencies are rapidly adopting portable and accurate breathalyzer devices to prevent alcohol-related road accidents and ensure compliance. In addition, breath analyzers are

increasingly being used in medical diagnostics beyond alcohol and drug testing. Breath analyzers offer a non-invasive, rapid, and painless method for detecting various diseases, eliminating the need for blood samples in many diagnostic procedures. Breath analyzers are used in early diagnoses of diseases like asthma, tuberculosis, lung cancer, chronic obstructive pulmonary disease (COPD), pneumonia, and pylori infection detection.

**Challenges:** However, the global breath analyzer growth would be negatively impacted by various challenges such as, false results by breath analyzers, high costs of advanced breath analyzers, etc. Breath analyzers can produce erroneous results due to interference from substances such as mouthwash, cough syrups, certain medications, and consumption of food items including fermented foods, energy drinks, or vinegar-based products. Several studies have shown that substances with a similar molecular structure to alcohol can falsely affect test outcomes, raising concerns about the reliability of breath analyzers in legal settings. In addition, these advanced breath analyzers are associated with large R&D expenses and elevated price tags, making them less accessible to a broad range of potential consumers and institutions. Many individuals may opt for cheaper, less accurate semiconductor-based devices, which can lead to inconsistencies in results and a potential loss of trust in breathalyzer technology. Therefore, high costs of advanced breath analyzers is expected to impend the growth of global breath analyzers market in the forecasted period.

**Trends:** The global breath analyzer market is projected to grow at a fast pace during the forecasted period, owing to, increasing integration of AI and IoT technologies, growing demand for non-invasive health monitoring, ongoing technological advancements in breath analyzers, increasing demand for personal portable breath analyzers, etc. Personal portable breath analyzers, designed for individual use, allow users to measure their blood alcohol concentration (BAC) quickly and accurately, helping them make informed decisions regarding alcohol consumption & safety. Also, beyond law enforcement, people are becoming more conscious of their health and alcohol intake. Personal breath analyzers are being used by individuals to self-monitor blood alcohol concentration (BAC) levels, helping them make informed decisions about drinking & driving or general alcohol consumption. In addition, the growing demand for non-invasive health monitoring is significantly driving the adoption of breath analyzers, as these devices provide a quick, painless, and efficient way to assess various health conditions without the need for invasive procedures such as blood tests or biopsies. Traditional health diagnostics often rely on sample collection methods that can be uncomfortable, time-consuming, & costly. In contrast, breath analyzers utilize advanced technologies such as gas chromatography, infrared spectroscopy, and electrochemical

sensors to detect specific biomarkers in exhaled breath, making them a highly convenient and patient-friendly alternative.

### **Impact Analysis of COVID-19 and Way Forward:**

COVID-19 brought in many changes in the world in terms of reduced productivity, loss of life, business closures, closing down of factories and organizations, and shift to an online mode of work. Lockdown policies imposed by governments to prevent the spread of virus led to a sharp decline in vehicle movement due to temporary closure of restaurants, bars, and other social gathering places. Since, breath analyzers are widely used for roadside alcohol testing, a significant drop in vehicle use and roadside traffic during the period, resulted in lower demand for breath analyzer by law enforcement agencies to conduct roadside breath tests, negatively impacting the growth of global breath analyzer market during the period, 2019-2020. Also, many countries temporarily suspended or minimized driving under the influence testing to avoid close contact between police officers and individuals. Similarly, many end user industries which had earlier implemented mandatory breathalyzer tests for employees, dropped the mandatory testing due to hygiene concerns and ongoing adoption of remote work policies, significantly reducing the demand for alcohol testing in workplaces.

### **Competitive Landscape:**

The global brath analyzers market is fragmented, with large number of companies, ranging from established brands to smaller regional players and niche manufacturers catering to the industry demand. The key players of the market are:

Abbott Laboratories

Dr?gerwerk AG & Co. KGaA

Lifeloc Technologies, Inc.

Bedfont Scientific Ltd.

Lion Laboratories

Intoximeters, Inc.

Alcohol Countermeasure Systems Corp.

AK GlobalTech Corp.

BACtrack

Shenzhen Ztsense Hi Tech Co., Ltd

Alcolizer Pty Ltd.

Hanwei Electronics Group Corporation

The competitive landscape is characterized by low entry and exit barriers to new entrants, encouraging players to focus on innovation and technological advancements to strengthen their market position. The market is also characterized by continuous product launches featuring advanced technologies. For instance, in May 2023, GenWorks, a Bengaluru-based initiative by GE, introduced FenomPro, a breath analyzer for testing asthma. Similarly, on May 7, 2024, Cannabix Technologies Inc. announced the launch of its new Breath Logix Workplace Series-Alcohol breath detection device. The Workplace Series is an autonomous compact wall mounted unit that is designed for indoor facilities and offices.

## Contents

### 1. EXECUTIVE SUMMARY

### 2. INTRODUCTION

#### 2.1 Breath Analyzer: An Overview

##### 2.1.1 Breath Analyzer: An Introduction

#### 2.2 Breath Analyzer Segmentation: An Overview

##### 2.2.1 Breath Analyzer Segmentation

### 3. GLOBAL MARKET ANALYSIS

#### 3.1 Global Breath Analyzer Market: An Analysis

##### 3.1.1 Global Breath Analyzer Market: An Overview

##### 3.1.2 Global Breath Analyzer Market by Value

##### 3.1.3 Global Breath Analyzer Market by Technology (Fuel Cell Technology, Infrared Spectroscopy, Semiconductor Sensor, and Other Technology)

##### 3.1.4 Global Breath Analyzer Market by Application (Alcohol Detection, Medical Applications, and Drug Abuse Detection)

##### 3.1.5 Global Breath Analyzer Market by End User (Law Enforcement Agencies, Hospitals and Diagnostic Centers, and Other End Users)

##### 3.1.6 Global Breath Analyzer Market by Region (North America, Europe, Asia Pacific, and Rest of the World)

#### 3.2 Global Breath Analyzer Market: Technology Analysis

##### 3.2.1 Global Breath Analyzer Market by Technology: An Overview

##### 3.2.2 Global Fuel Cell Technology Breath Analyzer Market by Value

##### 3.2.3 Global Infrared Spectroscopy Breath Analyzer Market by Value

##### 3.2.4 Global Semiconductor Sensor Breath Analyzer Market by Value

##### 3.2.5 Global Other Technology Breath Analyzer Market by Value

#### 3.3 Global Breath Analyzer Market: Application Analysis

##### 3.3.1 Global Breath Analyzer Market by Application: An Overview

##### 3.3.2 Global Alcohol Detection Breath Analyzer Market by Value

##### 3.3.3 Global Medical Applications Breath Analyzer Market by Value

##### 3.3.4 Global Drug Abuse Detection Breath Analyzer Market by Value

#### 3.4 Global Breath Analyzer Market: End User Analysis

##### 3.4.1 Global Breath Analyzer Market by End User: An Overview

##### 3.4.2 Global Law Enforcement Agencies Breath Analyzer Market by Value

##### 3.4.3 Global Hospitals and Diagnostic Centers Breath Analyzer Market by Value

### 3.4.4 Global Other End Users Breath Analyzer Market by Value

## 4. REGIONAL MARKET ANALYSIS

### 4.1 North America Breath Analyzer Market: An Analysis

#### 4.1.1 North America Breath Analyzer Market: An Overview

#### 4.1.2 North America Breath Analyzer Market by Value

#### 4.1.3 North America Breath Analyzer Market by Region (The US, Canada, and Mexico)

##### 4.1.4 The US Breath Analyzer Market by Value

##### 4.1.5 Canada Breath Analyzer Market by Value

##### 4.1.6 Mexico Breath Analyzer Market by Value

### 4.2 Europe Breath Analyzer Market: An Analysis

#### 4.2.1 Europe Breath Analyzer Market: An Overview

#### 4.2.2 Europe Breath Analyzer Market by Value

#### 4.2.3 Europe Breath Analyzer Market by Region (Germany, UK, France, and Rest of Europe)

##### 4.2.4 Germany Breath Analyzer Market by Value

##### 4.2.5 UK Breath Analyzer Market by Value

##### 4.2.6 France Breath Analyzer Market by Value

##### 4.2.7 Rest of Europe Breath Analyzer Market by Value

### 4.3 Asia Pacific Breath Analyzer Market: An Analysis

#### 4.3.1 Asia Pacific Breath Analyzer Market: An Overview

#### 4.3.2 Asia Pacific Breath Analyzer Market by Value

#### 4.3.3 Asia Pacific Breath Analyzer Market by Region (China, India, and Rest of Asia Pacific)

##### 4.3.4 China Breath Analyzer Market by Value

##### 4.3.5 India Breath Analyzer Market by Value

##### 4.3.6 Rest of Asia Pacific Breath Analyzer Market by Value

### 4.4 Rest of the World Breath Analyzer Market: An Analysis

#### 4.4.1 Rest of the World Breath Analyzer Market: An Overview

#### 4.4.2 Rest of the World Breath Analyzer Market by Value

## 5. IMPACT OF COVID-19

### 5.1 Impact of COVID-19 on Global Breath Analyzer Market

### 5.2 Post COVID-19 Impact on Global Breath Analyzer Market

## 6. MARKET DYNAMICS

## 6.1 Growth Drivers

- 6.1.1 Rising Alcohol Consumption and Drug Abuse
- 6.1.2 Increasing Demand in Medical Diagnosis
- 6.1.3 Growing Emphasis on Workplace Safety Compliance
- 6.1.4 Strict Government Laws and Regulations
- 6.1.5 Increasing Cases of Drunk Driving

## 6.2 Challenges

- 6.2.1 False Results by Breath Analyzers
- 6.2.2 High Costs of Advanced Breath Analyzers

## 6.3 Market Trends

- 6.3.1 Increasing Integration of AI and IoT Technologies
- 6.3.2 Increasing Demand For Personal Portable Breath Analyzers
- 6.3.3 Growing Demand For Non-Invasive Health Monitoring
- 6.3.4 Ongoing Technological Advancements in Breath Analyzers

## 7. COMPETITIVE LANDSCAPE

### 7.1 Global Breath Analyzer Market: Competitive Landscape

### 7.2 Global Breath Analyzer Market: Product Comparison

## 8. COMPANY PROFILES

### 8.1 Abbott Laboratories

- 8.1.1 Business Overview
- 8.1.2 Operating Segments
- 8.1.3 Business Strategy

### 8.2 Drägerwerk AG & Co. KGaA

- 8.2.1 Business Overview
- 8.2.2 Operating Segments
- 8.2.3 Business Strategy

### 8.3 Lifeloc Technologies, Inc.

- 8.3.1 Business Overview
- 8.3.2 Operating Segments

### 8.4 Bedford Scientific Ltd.

- 8.4.1 Business Overview
- 8.4.2 Business Strategy

### 8.5 Lion Laboratories

- 8.5.1 Business Overview

- 8.5.2 Business Strategy
- 8.6 Intoximeters, Inc.
  - 8.6.1 Business Overview
  - 8.6.2 Business Strategy
- 8.7 Alcohol Countermeasure Systems Corp.
  - 8.7.1 Business Overview
- 8.8 AK GlobalTech Corp.
  - 8.8.1 Business Overview
- 8.9 BACtrack
  - 8.9.1 Business Overview
- 8.10 Shenzhen Ztsense Hi Tech Co., Ltd
  - 8.10.1 Business Overview
- 8.11 Alcolizer Pty Ltd.
  - 8.11.1 Business Overview
- 8.12 Hanwei Electronics Group Corporation
  - 8.12.1 Business Overview

## List Of Figures

### LIST OF FIGURES

Figure 1: Breath Analyzer Segmentation

Figure 2: Global Breath Analyzer Market by Value; 2020-2024 (US\$ Billion)

Figure 3: Global Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 4: Global Breath Analyzer Market by Technology; 2024 (Percentage, %)

Figure 5: Global Breath Analyzer Market by Application; 2024 (Percentage, %)

Figure 6: Global Breath Analyzer Market by End User; 2024 (Percentage, %)

Figure 7: Global Breath Analyzer Market by Region; 2024 (Percentage, %)

Figure 8: Global Fuel Cell Technology Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 9: Global Fuel Cell Technology Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 10: Global Infrared Spectroscopy Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 11: Global Infrared Spectroscopy Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 12: Global Semiconductor Sensor Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 13: Global Semiconductor Sensor Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 14: Global Other Technology Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 15: Global Other Technology Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 16: Global Alcohol Detection Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 17: Global Alcohol Detection Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 18: Global Medical Applications Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 19: Global Medical Applications Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 20: Global Drug Abuse Detection Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 21: Global Drug Abuse Detection Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 22: Global Law Enforcement Agencies Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 23: Global Law Enforcement Agencies Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 24: Global Hospitals and Diagnostic Centers Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 25: Global Hospitals and Diagnostic Centers Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 26: Global Other End Users Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 27: Global Other End Users Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 28: North America Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 29: North America Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 30: North America Breath Analyzer Market by Region; 2024 (Percentage, %)

Figure 31: The US Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 32: The US Breath Analyzer Market by Value; 2025-2030 (US\$ Billion)

Figure 33: Canada Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 34: Canada Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 35: Mexico Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 36: Mexico Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 37: Europe Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 38: Europe Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 39: Europe Breath Analyzer Market by Region; 2024 (Percentage, %)

Figure 40: Germany Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 41: Germany Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 42: UK Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 43: UK Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 44: France Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 45: France Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 46: Rest of Europe Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 47: Rest of Europe Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 48: Asia Pacific Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 49: Asia Pacific Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 50: Asia Pacific Breath Analyzer Market by Region; 2024 (Percentage, %)

Figure 51: China Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 52: China Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 53: India Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 54: India Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 55: Rest of Asia Pacific Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 56: Rest of Asia Pacific Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 57: Rest of the World Breath Analyzer Market by Value; 2020-2024 (US\$ Million)

Figure 58: Rest of the World Breath Analyzer Market by Value; 2025-2030 (US\$ Million)

Figure 59: The US Alcohol Consumption Per Capita From All Beverages; 2018-2022 (Gallons of Ethanol)

Figure 60: Global Artificial Intelligence Market Size; 2022–2026 (US\$ Billion)

Figure 61: Abbott Laboratories Revenue by Segment; 2023 (Percentage, %)

Figure 62: Drägerwerk AG & Co. KGaA Net Sales by Segment; 2023 (Percentage, %)

Figure 63: Lifeloc Technologies, Inc. Product Sales by Segment; 2023 (Percentage, %)

Table 1: Global Breath Analyzer Market Product Comparison

## I would like to order

Product name: Global Breath Analyzer Market: 2026 Edition

Product link: <https://marketpublishers.com/r/G9BF14F854F7EN.html>

Price: US\$ 2,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9BF14F854F7EN.html>