

Global Photoionization Detector (PID) Lamp Market Growth 2026-2032

<https://marketpublishers.com/r/GA444CD361F3EN.html>

Date: April 2026

Pages: 102

Price: US\$ 3,660.00 (Single User License)

ID: GA444CD361F3EN

Abstracts

The global Photoionization Detector (PID) Lamp market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

A Photoionization Detector (PID) Lamp is a device used in analytical chemistry and environmental monitoring to detect and measure the concentration of volatile organic compounds (VOCs) in the air or in gas samples. VOCs are a group of chemicals that can easily evaporate into the air and may pose health and environmental risks.

The PID lamp operates based on the principle of photoionization. It emits high-energy ultraviolet (UV) light, typically in the range of 10.2 to 11.7 electronvolts (eV), into a sample gas. When the UV light interacts with the VOC molecules in the sample, it causes the molecules to ionize, or lose electrons, creating positively charged ions and free electrons. The magnitude of ionization is proportional to the concentration of VOCs in the sample.

United States market for Photoionization Detector (PID) Lamp is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Photoionization Detector (PID) Lamp is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Photoionization Detector (PID) Lamp is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Photoionization Detector (PID) Lamp players cover Heraeus, Xylem YSI, REFLEX Analytical, Resonance, Senovol, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Photoionization Detector (PID) Lamp Industry Forecast” looks at past sales and reviews total world Photoionization Detector (PID) Lamp sales in 2025, providing a comprehensive analysis by region and market sector of projected Photoionization Detector (PID) Lamp sales for 2026 through 2032. With Photoionization Detector (PID) Lamp sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Photoionization Detector (PID) Lamp industry.

This Insight Report provides a comprehensive analysis of the global Photoionization Detector (PID) Lamp landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Photoionization Detector (PID) Lamp portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Photoionization Detector (PID) Lamp market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Photoionization Detector (PID) Lamp and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Photoionization Detector (PID) Lamp.

This report presents a comprehensive overview, market shares, and growth opportunities of Photoionization Detector (PID) Lamp market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Xenon

Krypton

Argon

Segmentation by Application:

VOC Gas Detection

Gas Chromatography (GC)

Mass Spectrometry (MS)

Field Monitoring of Air and Soil

Others

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

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Heraeus

Xylem YSI

REFLEX Analytical

Resonance

Senovol

Restek

Crowcon

Key Questions Addressed in this Report

What is the 10-year outlook for the global Photoionization Detector (PID) Lamp market?

What factors are driving Photoionization Detector (PID) Lamp market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Photoionization Detector (PID) Lamp market opportunities vary by end market size?

How does Photoionization Detector (PID) Lamp break out by Type, by Application?

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