



Portable Micro Spectrometer Industry Research Report 2026

Industry	Published	Pages	Format
Electronics & Semiconductor	2026-01-30	135	PDF

Single User	Multi User	Enterprise
USD 2,950	USD 4,430	USD 5,900

Description

The global Portable Micro Spectrometer market was valued at US\$ million in 2025 and is projected to reach US\$ million by 2032, implying a CAGR of % over 2026–2032.

The North America market for Portable Micro Spectrometer is forecast to increase from US\$ million in 2026 to US\$ million by 2032, corresponding to a CAGR of % over 2026–2032.

The Europe market for Portable Micro Spectrometer is projected to rise from US\$ million in 2026 to US\$ million by 2032, registering a CAGR of % over 2026–2032.

The Asia Pacific market for Portable Micro Spectrometer is expected to grow from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026–2032.

Leading global manufacturers of Portable Micro Spectrometer include , among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

Report Scope

This report quantifies the global Portable Micro Spectrometer market in revenue (US\$ million) and, where applicable, sales volume (k units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/k units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Portable Micro Spectrometer.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Portable Micro Spectrometer Market by Company

Hamamatsu Photonics

Horiba

Ocean Insight

Si-Ware Systems

InSION GmbH
OTO Photonics
Avantes
Viavi
ideaoptics
Chromatation
Flight Technology
B&W Tek
Optosky Technology
Stellarnet
Nanolambda

Portable Micro Spectrometer Segment by Type

Infrared Spectrometer
Ultraviolet Spectrometer

Portable Micro Spectrometer Segment by Application

Farming
Environment
Smart Buildings
Medical
Automotive
Wearables
Others

Portable Micro Spectrometer Segment by Region

North America
United States
Canada
Mexico
Europe
Germany
France
U.K.
Italy
Russia
Spain
Netherlands
Switzerland
Sweden
Poland
Asia-Pacific
China
Japan
South Korea
India
Australia
Taiwan
Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Portable Micro Spectrometer market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Portable Micro Spectrometer and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Portable Micro Spectrometer.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of Portable Micro Spectrometer manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Portable Micro Spectrometer by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Portable Micro Spectrometer in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

Table of Contents

1 Preface

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 Market Overview

- 2.1 Product Definition
- 2.2 Portable Micro Spectrometer by Type
 - 2.2.1 Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.2.2 Infrared Spectrometer
 - 2.2.3 Ultraviolet Spectrometer
- 2.3 Portable Micro Spectrometer by Application
 - 2.3.1 Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
 - 2.3.2 Farming
 - 2.3.3 Environment
 - 2.3.4 Smart Buildings
 - 2.3.5 Medical
 - 2.3.6 Automotive
 - 2.3.7 Wearables
 - 2.3.8 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Portable Micro Spectrometer Production Value Estimates and Forecasts (2021-2032)
 - 2.4.2 Global Portable Micro Spectrometer Production Capacity Estimates and Forecasts (2021-2032)
 - 2.4.3 Global Portable Micro Spectrometer Production Estimates and Forecasts (2021-2032)
 - 2.4.4 Global Portable Micro Spectrometer Market Average Price (2021-2032)

3 Market Competitive Landscape by Manufacturers

- 3.1 Global Portable Micro Spectrometer Production by Manufacturers (2021-2026)
- 3.2 Global Portable Micro Spectrometer Production Value by Manufacturers (2021-2026)
- 3.3 Global Portable Micro Spectrometer Average Price by Manufacturers (2021-2026)
- 3.4 Global Portable Micro Spectrometer Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Portable Micro Spectrometer Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Portable Micro Spectrometer Manufacturers, Product Type & Application
- 3.7 Global Portable Micro Spectrometer Manufacturers Established Date
- 3.8 Global Portable Micro Spectrometer Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 Manufacturers Profiled

- 4.1 Hamamatsu Photonics
 - 4.1.1 Hamamatsu Photonics Portable Micro Spectrometer Company Information
 - 4.1.2 Hamamatsu Photonics Portable Micro Spectrometer Business Overview
 - 4.1.3 Hamamatsu Photonics Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)

- 4.1.4 Hamamatsu Photonics Product Portfolio
- 4.1.5 Hamamatsu Photonics Recent Developments
- 4.2 Horiba
 - 4.2.1 Horiba Portable Micro Spectrometer Company Information
 - 4.2.2 Horiba Portable Micro Spectrometer Business Overview
 - 4.2.3 Horiba Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.2.4 Horiba Product Portfolio
 - 4.2.5 Horiba Recent Developments
- 4.3 Ocean Insight
 - 4.3.1 Ocean Insight Portable Micro Spectrometer Company Information
 - 4.3.2 Ocean Insight Portable Micro Spectrometer Business Overview
 - 4.3.3 Ocean Insight Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.3.4 Ocean Insight Product Portfolio
 - 4.3.5 Ocean Insight Recent Developments
- 4.4 Si-Ware Systems
 - 4.4.1 Si-Ware Systems Portable Micro Spectrometer Company Information
 - 4.4.2 Si-Ware Systems Portable Micro Spectrometer Business Overview
 - 4.4.3 Si-Ware Systems Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.4.4 Si-Ware Systems Product Portfolio
 - 4.4.5 Si-Ware Systems Recent Developments
- 4.5 InSION GmbH
 - 4.5.1 InSION GmbH Portable Micro Spectrometer Company Information
 - 4.5.2 InSION GmbH Portable Micro Spectrometer Business Overview
 - 4.5.3 InSION GmbH Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.5.4 InSION GmbH Product Portfolio
 - 4.5.5 InSION GmbH Recent Developments
- 4.6 OTO Photonics
 - 4.6.1 OTO Photonics Portable Micro Spectrometer Company Information
 - 4.6.2 OTO Photonics Portable Micro Spectrometer Business Overview
 - 4.6.3 OTO Photonics Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.6.4 OTO Photonics Product Portfolio
 - 4.6.5 OTO Photonics Recent Developments
- 4.7 Avantes
 - 4.7.1 Avantes Portable Micro Spectrometer Company Information
 - 4.7.2 Avantes Portable Micro Spectrometer Business Overview
 - 4.7.3 Avantes Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.7.4 Avantes Product Portfolio
 - 4.7.5 Avantes Recent Developments
- 4.8 Viavi
 - 4.8.1 Viavi Portable Micro Spectrometer Company Information
 - 4.8.2 Viavi Portable Micro Spectrometer Business Overview
 - 4.8.3 Viavi Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.8.4 Viavi Product Portfolio
 - 4.8.5 Viavi Recent Developments
- 4.9 ideaoptics
 - 4.9.1 ideaoptics Portable Micro Spectrometer Company Information
 - 4.9.2 ideaoptics Portable Micro Spectrometer Business Overview
 - 4.9.3 ideaoptics Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)

- 4.9.4 ideaoptics Product Portfolio
- 4.9.5 ideaoptics Recent Developments
- 4.10 Chromation
 - 4.10.1 Chromation Portable Micro Spectrometer Company Information
 - 4.10.2 Chromation Portable Micro Spectrometer Business Overview
 - 4.10.3 Chromation Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.10.4 Chromation Product Portfolio
 - 4.10.5 Chromation Recent Developments
- 4.11 Flight Technology
 - 4.11.1 Flight Technology Portable Micro Spectrometer Company Information
 - 4.11.2 Flight Technology Portable Micro Spectrometer Business Overview
 - 4.11.3 Flight Technology Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.11.4 Flight Technology Product Portfolio
 - 4.11.5 Flight Technology Recent Developments
- 4.12 B&W Tek
 - 4.12.1 B&W Tek Portable Micro Spectrometer Company Information
 - 4.12.2 B&W Tek Portable Micro Spectrometer Business Overview
 - 4.12.3 B&W Tek Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.12.4 B&W Tek Product Portfolio
 - 4.12.5 B&W Tek Recent Developments
- 4.13 Optosky Technology
 - 4.13.1 Optosky Technology Portable Micro Spectrometer Company Information
 - 4.13.2 Optosky Technology Portable Micro Spectrometer Business Overview
 - 4.13.3 Optosky Technology Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.13.4 Optosky Technology Product Portfolio
 - 4.13.5 Optosky Technology Recent Developments
- 4.14 Stellarnet
 - 4.14.1 Stellarnet Portable Micro Spectrometer Company Information
 - 4.14.2 Stellarnet Portable Micro Spectrometer Business Overview
 - 4.14.3 Stellarnet Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.14.4 Stellarnet Product Portfolio
 - 4.14.5 Stellarnet Recent Developments
- 4.15 Nanolambda
 - 4.15.1 Nanolambda Portable Micro Spectrometer Company Information
 - 4.15.2 Nanolambda Portable Micro Spectrometer Business Overview
 - 4.15.3 Nanolambda Portable Micro Spectrometer Production, Value and Gross Margin (2021-2026)
 - 4.15.4 Nanolambda Product Portfolio
 - 4.15.5 Nanolambda Recent Developments

5 Global Portable Micro Spectrometer Production by Region

- 5.1 Global Portable Micro Spectrometer Production Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.2 Global Portable Micro Spectrometer Production by Region: 2021-2032
 - 5.2.1 Global Portable Micro Spectrometer Production by Region: 2021-2026
 - 5.2.2 Global Portable Micro Spectrometer Production Forecast by Region (2027-2032)
- 5.3 Global Portable Micro Spectrometer Production Value Estimates and Forecasts by Region: 2021 VS 2025 VS 2032
- 5.4 Global Portable Micro Spectrometer Production Value by Region: 2021-2032
 - 5.4.1 Global Portable Micro Spectrometer Production Value by Region: 2021-2026
 - 5.4.2 Global Portable Micro Spectrometer Production Value Forecast by Region (2027-2032)
- 5.5 Global Portable Micro Spectrometer Market Price Analysis by Region (2021-2026)

5.6 Global Portable Micro Spectrometer Production and Value, YOY Growth

5.6.1 North America Portable Micro Spectrometer Production Value Estimates and Forecasts (2021-2032)

5.6.2 Europe Portable Micro Spectrometer Production Value Estimates and Forecasts (2021-2032)

5.6.3 China Portable Micro Spectrometer Production Value Estimates and Forecasts (2021-2032)

5.6.4 Japan Portable Micro Spectrometer Production Value Estimates and Forecasts (2021-2032)

5.6.5 South Korea Portable Micro Spectrometer Production Value Estimates and Forecasts (2021-2032)

6 Global Portable Micro Spectrometer Consumption by Region

6.1 Global Portable Micro Spectrometer Consumption Estimates and Forecasts by Region: 2021 VS 2025 VS 2032

6.2 Global Portable Micro Spectrometer Consumption by Region (2021-2032)

6.2.1 Global Portable Micro Spectrometer Consumption by Region: 2021-2026

6.2.2 Global Portable Micro Spectrometer Forecasted Consumption by Region (2027-2032)

6.3 North America

6.3.1 North America Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.3.2 North America Portable Micro Spectrometer Consumption by Country (2021-2032)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

6.4 Europe

6.4.1 Europe Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.4.2 Europe Portable Micro Spectrometer Consumption by Country (2021-2032)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

6.5 Asia Pacific

6.5.1 Asia Pacific Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.5.2 Asia Pacific Portable Micro Spectrometer Consumption by Country (2021-2032)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032

6.6.2 South America, Middle East & Africa Portable Micro Spectrometer Consumption by Country (2021-2032)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

7 Segment by Type

7.1 Global Portable Micro Spectrometer Production by Type (2021-2032)

7.1.1 Global Portable Micro Spectrometer Production by Type (2021-2032) & (k units)

7.1.2 Global Portable Micro Spectrometer Production Market Share by Type (2021-2032)

7.2 Global Portable Micro Spectrometer Production Value by Type (2021-2032)

7.2.1 Global Portable Micro Spectrometer Production Value by Type (2021-2032) & (US\$ Million)

7.2.2 Global Portable Micro Spectrometer Production Value Market Share by Type (2021-2032)

7.3 Global Portable Micro Spectrometer Price by Type (2021-2032)

8 Segment by Application

8.1 Global Portable Micro Spectrometer Production by Application (2021-2032)

8.1.1 Global Portable Micro Spectrometer Production by Application (2021-2032) & (k units)

8.1.2 Global Portable Micro Spectrometer Production Market Share by Application (2021-2032)

8.2 Global Portable Micro Spectrometer Production Value by Application (2021-2032)

8.2.1 Global Portable Micro Spectrometer Production Value by Application (2021-2032) & (US\$ Million)

8.2.2 Global Portable Micro Spectrometer Production Value Market Share by Application (2021-2032)

8.3 Global Portable Micro Spectrometer Price by Application (2021-2032)

9 Value Chain and Sales Channels Analysis of the Market

9.1 Portable Micro Spectrometer Value Chain Analysis

9.1.1 Portable Micro Spectrometer Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Portable Micro Spectrometer Production Mode & Process

9.2 Portable Micro Spectrometer Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Portable Micro Spectrometer Distributors

9.2.3 Portable Micro Spectrometer Customers

10 Global Portable Micro Spectrometer Analyzing Market Dynamics

10.1 Portable Micro Spectrometer Industry Trends

10.2 Portable Micro Spectrometer Industry Drivers

10.3 Portable Micro Spectrometer Industry Opportunities and Challenges

10.4 Portable Micro Spectrometer Industry Restraints

11 Report Conclusion

12 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Secondary Sources
- Table 2: Primary Sources
- Table 3: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 4: Market Value Comparison by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 5: Global Portable Micro Spectrometer Production by Manufacturers (k units) & (2021-2026)
- Table 6: Global Portable Micro Spectrometer Production Market Share by Manufacturers
- Table 7: Global Portable Micro Spectrometer Production Value by Manufacturers (US\$ Million) & (2021-2026)
- Table 8: Global Portable Micro Spectrometer Production Value Market Share by Manufacturers (2021-2026)
- Table 9: Global Portable Micro Spectrometer Average Price (USD/unit) of Manufacturers (2021-2026)
- Table 10: Global Portable Micro Spectrometer Industry Manufacturers Ranking, 2024 VS 2025 VS 2026
- Table 11: Global Portable Micro Spectrometer Key Manufacturers, Manufacturing Sites & Headquarters
- Table 12: Global Portable Micro Spectrometer Manufacturers, Product Type & Application
- Table 13: Global Portable Micro Spectrometer Manufacturers Established Date
- Table 14: Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15: Global Portable Micro Spectrometer by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2025)
- Table 16: Manufacturers Mergers & Acquisitions, Expansion Plans
- Table 17: Hamamatsu Photonics Company Information
- Table 18: Hamamatsu Photonics Business Overview
- Table 19: Hamamatsu Photonics Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 20: Hamamatsu Photonics Portable Micro Spectrometer Product Portfolio
- Table 21: Hamamatsu Photonics Recent Development
- Table 22: Horiba Company Information
- Table 23: Horiba Business Overview
- Table 24: Horiba Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 25: Horiba Portable Micro Spectrometer Product Portfolio
- Table 26: Horiba Recent Development
- Table 27: Ocean Insight Company Information
- Table 28: Ocean Insight Business Overview
- Table 29: Ocean Insight Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 30: Ocean Insight Portable Micro Spectrometer Product Portfolio
- Table 31: Ocean Insight Recent Development
- Table 32: Si-Ware Systems Company Information
- Table 33: Si-Ware Systems Business Overview
- Table 34: Si-Ware Systems Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 35: Si-Ware Systems Portable Micro Spectrometer Product Portfolio
- Table 36: Si-Ware Systems Recent Development
- Table 37: InSION GmbH Company Information
- Table 38: InSION GmbH Business Overview
- Table 39: InSION GmbH Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 40: InSION GmbH Portable Micro Spectrometer Product Portfolio
- Table 41: InSION GmbH Recent Development
- Table 42: OTO Photonics Company Information
- Table 43: OTO Photonics Business Overview
- Table 44: OTO Photonics Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 45: OTO Photonics Portable Micro Spectrometer Product Portfolio
- Table 46: OTO Photonics Recent Development
- Table 47: Avantes Company Information
- Table 48: Avantes Business Overview

- Table 49: Avantes Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 50: Avantes Portable Micro Spectrometer Product Portfolio
- Table 51: Avantes Recent Development
- Table 52: Viavi Company Information
- Table 53: Viavi Business Overview
- Table 54: Viavi Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 55: Viavi Portable Micro Spectrometer Product Portfolio
- Table 56: Viavi Recent Development
- Table 57: ideaoptics Company Information
- Table 58: ideaoptics Business Overview
- Table 59: ideaoptics Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 60: ideaoptics Portable Micro Spectrometer Product Portfolio
- Table 61: ideaoptics Recent Development
- Table 62: Chromation Company Information
- Table 63: Chromation Business Overview
- Table 64: Chromation Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 65: Chromation Portable Micro Spectrometer Product Portfolio
- Table 66: Chromation Recent Development
- Table 67: Flight Technology Company Information
- Table 68: Flight Technology Business Overview
- Table 69: Flight Technology Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 70: Flight Technology Portable Micro Spectrometer Product Portfolio
- Table 71: Flight Technology Recent Development
- Table 72: B&W Tek Company Information
- Table 73: B&W Tek Business Overview
- Table 74: B&W Tek Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 75: B&W Tek Portable Micro Spectrometer Product Portfolio
- Table 76: B&W Tek Recent Development
- Table 77: Optosky Technology Company Information
- Table 78: Optosky Technology Business Overview
- Table 79: Optosky Technology Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 80: Optosky Technology Portable Micro Spectrometer Product Portfolio
- Table 81: Optosky Technology Recent Development
- Table 82: Stellarnet Company Information
- Table 83: Stellarnet Business Overview
- Table 84: Stellarnet Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 85: Stellarnet Portable Micro Spectrometer Product Portfolio
- Table 86: Stellarnet Recent Development
- Table 87: Nanolambda Company Information
- Table 88: Nanolambda Business Overview
- Table 89: Nanolambda Portable Micro Spectrometer Production (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 90: Nanolambda Portable Micro Spectrometer Product Portfolio
- Table 91: Nanolambda Recent Development
- Table 92: Global Portable Micro Spectrometer Production Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Table 93: Global Portable Micro Spectrometer Production by Region (2021-2026) & (k units)
- Table 94: Global Portable Micro Spectrometer Production Market Share by Region (2021-2026)
- Table 95: Global Portable Micro Spectrometer Production Forecast by Region (2027-2032) & (k units)
- Table 96: Global Portable Micro Spectrometer Production Market Share Forecast by Region (2027-2032)
- Table 97: Global Portable Micro Spectrometer Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Table 98: Global Portable Micro Spectrometer Production Value by Region (2021-2026) & (US\$ Million)
- Table 99: Global Portable Micro Spectrometer Production Value Market Share by Region (2021-2026)
- Table 100: Global Portable Micro Spectrometer Production Value Forecast by Region (2027-2032) & (US\$ Million)
- Table 101: Global Portable Micro Spectrometer Market Average Price (USD/unit) by Region (2021-2026)
- Table 102: Global Portable Micro Spectrometer Market Average Price (USD/unit) by Region (2027-2032)
- Table 103: Global Portable Micro Spectrometer Consumption Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Table 104: Global Portable Micro Spectrometer Consumption by Region (2021-2026) & (k units)

- Table 105: Global Portable Micro Spectrometer Consumption Market Share by Region (2021-2026)
- Table 106: Global Portable Micro Spectrometer Forecasted Consumption by Region (2027-2032) & (k units)
- Table 107: Global Portable Micro Spectrometer Forecasted Consumption Market Share by Region (2027-2032)
- Table 108: North America Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 109: North America Portable Micro Spectrometer Consumption by Country (2021-2026) & (k units)
- Table 110: North America Portable Micro Spectrometer Consumption by Country (2027-2032) & (k units)
- Table 111: Europe Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 112: Europe Portable Micro Spectrometer Consumption by Country (2021-2026) & (k units)
- Table 113: Europe Portable Micro Spectrometer Consumption by Country (2027-2032) & (k units)
- Table 114: Asia Pacific Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 115: Asia Pacific Portable Micro Spectrometer Consumption by Country (2021-2026) & (k units)
- Table 116: Asia Pacific Portable Micro Spectrometer Consumption by Country (2027-2032) & (k units)
- Table 117: South America, Middle East & Africa Portable Micro Spectrometer Consumption Growth Rate by Country: 2021 VS 2025 VS 2032 (k units)
- Table 118: South America, Middle East & Africa Portable Micro Spectrometer Consumption by Country (2021-2026) & (k units)
- Table 119: South America, Middle East & Africa Portable Micro Spectrometer Consumption by Country (2027-2032) & (k units)
- Table 120: Global Portable Micro Spectrometer Production by Type (2021-2026) & (k units)
- Table 121: Global Portable Micro Spectrometer Production by Type (2027-2032) & (k units)
- Table 122: Global Portable Micro Spectrometer Production Market Share by Type (2021-2026)
- Table 123: Global Portable Micro Spectrometer Production Market Share by Type (2027-2032)
- Table 124: Global Portable Micro Spectrometer Production Value by Type (2021-2026) & (US\$ Million)
- Table 125: Global Portable Micro Spectrometer Production Value by Type (2027-2032) & (US\$ Million)
- Table 126: Global Portable Micro Spectrometer Production Value Market Share by Type (2021-2026)
- Table 127: Global Portable Micro Spectrometer Production Value Market Share by Type (2027-2032)
- Table 128: Global Portable Micro Spectrometer Price by Type (2021-2026) & (USD/unit)
- Table 129: Global Portable Micro Spectrometer Price by Type (2027-2032) & (USD/unit)
- Table 130: Global Portable Micro Spectrometer Production by Application (2021-2026) & (k units)
- Table 131: Global Portable Micro Spectrometer Production by Application (2027-2032) & (k units)
- Table 132: Global Portable Micro Spectrometer Production Market Share by Application (2021-2026)
- Table 133: Global Portable Micro Spectrometer Production Market Share by Application (2027-2032)
- Table 134: Global Portable Micro Spectrometer Production Value by Application (2021-2026) & (US\$ Million)
- Table 135: Global Portable Micro Spectrometer Production Value by Application (2027-2032) & (US\$ Million)
- Table 136: Global Portable Micro Spectrometer Production Value Market Share by Application (2021-2026)
- Table 137: Global Portable Micro Spectrometer Production Value Market Share by Application (2027-2032)
- Table 138: Global Portable Micro Spectrometer Price by Application (2021-2026) & (USD/unit)
- Table 139: Global Portable Micro Spectrometer Price by Application (2027-2032) & (USD/unit)
- Table 140: Key Raw Materials
- Table 141: Raw Materials Key Suppliers
- Table 142: Portable Micro Spectrometer Distributors List
- Table 143: Portable Micro Spectrometer Customers List
- Table 144: Portable Micro Spectrometer Industry Trends
- Table 145: Portable Micro Spectrometer Industry Drivers
- Table 146: Portable Micro Spectrometer Industry Restraints
- Table 147: Authors List of This Report

List of Figures:

- Figure 1: Research Methodology
- Figure 2: Research Process
- Figure 3: Key Executives Interviewed
- Figure 4: Portable Micro Spectrometer Product Image
- Figure 5: Market Value Comparison by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Figure 6: Infrared Spectrometer Product Image
- Figure 7: Ultraviolet Spectrometer Product Image
- Figure 8: Farming Product Image
- Figure 9: Environment Product Image
- Figure 10: Smart Buildings Product Image
- Figure 11: Medical Product Image
- Figure 12: Automotive Product Image
- Figure 13: Wearables Product Image
- Figure 14: Others Product Image
- Figure 15: Global Portable Micro Spectrometer Production Value (US\$ Million), 2021 VS 2025 VS 2032

- Figure 16: Global Portable Micro Spectrometer Production Value (2021-2032) & (US\$ Million)
- Figure 17: Global Portable Micro Spectrometer Production Capacity (2021-2032) & (k units)
- Figure 18: Global Portable Micro Spectrometer Production (2021-2032) & (k units)
- Figure 19: Global Portable Micro Spectrometer Average Price (USD/unit) & (2021-2032)
- Figure 20: Global Portable Micro Spectrometer Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 21: Global Top 5 and 10 Portable Micro Spectrometer Players Market Share by Production Value in 2025
- Figure 22: Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 23: Global Portable Micro Spectrometer Production Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 24: Global Portable Micro Spectrometer Production Market Share by Region: 2021 VS 2025 VS 2032
- Figure 25: Global Portable Micro Spectrometer Production Value Comparison by Region: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 26: Global Portable Micro Spectrometer Production Value Market Share by Region: 2021 VS 2025 VS 2032
- Figure 27: North America Portable Micro Spectrometer Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 28: Europe Portable Micro Spectrometer Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 29: China Portable Micro Spectrometer Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 30: Japan Portable Micro Spectrometer Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 31: South Korea Portable Micro Spectrometer Production Value (US\$ Million) Growth Rate (2021-2032)
- Figure 32: Global Portable Micro Spectrometer Consumption Comparison by Region: 2021 VS 2025 VS 2032 (k units)
- Figure 33: Global Portable Micro Spectrometer Consumption Market Share by Region: 2021 VS 2025 VS 2032
- Figure 34: North America Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 35: North America Portable Micro Spectrometer Consumption Market Share by Country (2021-2032)
- Figure 36: United States Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 37: United States Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 38: Canada Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 39: Mexico Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 40: Europe Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 41: Europe Portable Micro Spectrometer Consumption Market Share by Country (2021-2032)
- Figure 42: Germany Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 43: France Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 44: U.K. Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 45: Italy Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 46: Russia Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 47: Spain Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 48: Netherlands Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 49: Switzerland Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 50: Sweden Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 51: Poland Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 52: Asia Pacific Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 53: Asia Pacific Portable Micro Spectrometer Consumption Market Share by Country (2021-2032)
- Figure 54: China Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 55: Japan Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 56: South Korea Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 57: India Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 58: Australia Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 59: Taiwan Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 60: Southeast Asia Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 61: South America, Middle East & Africa Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 62: South America, Middle East & Africa Portable Micro Spectrometer Consumption Market Share by Country (2021-2032)
- Figure 63: Brazil Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 64: Argentina Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 65: Chile Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 66: Turkey Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 67: GCC Countries Portable Micro Spectrometer Consumption and Growth Rate (2021-2032) & (k units)
- Figure 68: Global Portable Micro Spectrometer Production Market Share by Type (2021-2032)
- Figure 69: Global Portable Micro Spectrometer Production Value Market Share by Type (2021-2032)
- Figure 70: Global Portable Micro Spectrometer Price (USD/unit) by Type (2021-2032)
- Figure 71: Global Portable Micro Spectrometer Production Market Share by Application (2021-2032)
- Figure 72: Global Portable Micro Spectrometer Production Value Market Share by Application (2021-2032)
- Figure 73: Global Portable Micro Spectrometer Price (USD/unit) by Application (2021-2032)
- Figure 74: Portable Micro Spectrometer Value Chain
- Figure 75: Portable Micro Spectrometer Production Mode & Process
- Figure 76: Direct Comparison with Distribution Share

- Figure 77: Distributors Profiles
- Figure 78: Portable Micro Spectrometer Industry Opportunities and Challenges