

Global On-board Portable Emissions Measurement Systems (PEMS) Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G73C5DE877B8EN.html>

Date: July 2023

Pages: 96

Price: US\$ 4,480.00 (Single User License)

ID: G73C5DE877B8EN

Abstracts

The global On-board Portable Emissions Measurement Systems (PEMS) market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Portable Emissions Measurement Systems, or PEMS, measure emissions from combustion engines as the vehicle or the equipment is being used, which allows real-world in-use testing.

PEMS offer a modern and innovative counterpart to check the impact of emissions from combustion engines upon the environment. The PEMS used for emissions regulatory purposes integrate advanced gas analyzers, exhaust mass flow meters, weather station, Global Positioning System (GPS) and connection to the vehicle networks. PEMS provide a complete and very accurate real-time monitoring of the pollutants emitted by the engines (HC, CO, CO₂, NO_x [or NO + NO₂], PM) together with the associated engine, vehicle and ambient parameters.

This report studies the global On-board Portable Emissions Measurement Systems (PEMS) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for On-board Portable Emissions Measurement Systems (PEMS), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of On-board Portable Emissions Measurement Systems (PEMS) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global On-board Portable Emissions Measurement Systems (PEMS) total production and demand, 2018-2029, (K Units)

Global On-board Portable Emissions Measurement Systems (PEMS) total production value, 2018-2029, (USD Million)

Global On-board Portable Emissions Measurement Systems (PEMS) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global On-board Portable Emissions Measurement Systems (PEMS) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: On-board Portable Emissions Measurement Systems (PEMS) domestic production, consumption, key domestic manufacturers and share

Global On-board Portable Emissions Measurement Systems (PEMS) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global On-board Portable Emissions Measurement Systems (PEMS) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global On-board Portable Emissions Measurement Systems (PEMS) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global On-board Portable Emissions Measurement Systems (PEMS) 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 Horiba, DEKRA, Sensors, AVL, MAHLE, AIP GmbH and Testo, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World On-board Portable Emissions Measurement Systems

(PEMS) 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 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global On-board Portable Emissions Measurement Systems (PEMS) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global On-board Portable Emissions Measurement Systems (PEMS) Market, Segmentation by Type

Real-Driving Emissions (RDE) PEMS

Integrated PEMS (iPEMS)

Global On-board Portable Emissions Measurement Systems (PEMS) Market,

Global On-board Portable Emissions Measurement Systems (PEMS) Supply, Demand and Key Producers, 2023-2029

Segmentation by Application

Passenger Car

Commercial Vehicle

Others

Companies Profiled:

Horiba

DEKRA

Sensors

AVL

MAHLE

AIP GmbH

Testo

Key Questions Answered

1. How big is the global On-board Portable Emissions Measurement Systems (PEMS) market?
2. What is the demand of the global On-board Portable Emissions Measurement Systems (PEMS) market?
3. What is the year over year growth of the global On-board Portable Emissions Measurement Systems (PEMS) market?
4. What is the production and production value of the global On-board Portable Emissions Measurement Systems (PEMS) market?

5. Who are the key producers in the global On-board Portable Emissions Measurement Systems (PEMS) market?

6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

1.1 On-board Portable Emissions Measurement Systems (PEMS) Introduction

1.2 World On-board Portable Emissions Measurement Systems (PEMS) Supply & Forecast

1.2.1 World On-board Portable Emissions Measurement Systems (PEMS) Production Value (2018 & 2022 & 2029)

1.2.2 World On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029)

1.2.3 World On-board Portable Emissions Measurement Systems (PEMS) Pricing Trends (2018-2029)

1.3 World On-board Portable Emissions Measurement Systems (PEMS) Production by Region (Based on Production Site)

1.3.1 World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Region (2018-2029)

1.3.2 World On-board Portable Emissions Measurement Systems (PEMS) Production by Region (2018-2029)

1.3.3 World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Region (2018-2029)

1.3.4 North America On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029)

1.3.5 Europe On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029)

1.3.6 China On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029)

1.3.7 Japan On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029)

1.4 Market Drivers, Restraints and Trends

1.4.1 On-board Portable Emissions Measurement Systems (PEMS) Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 On-board Portable Emissions Measurement Systems (PEMS) Major Market Trends

1.5 Influence of COVID-19 and Russia-Ukraine War

1.5.1 Influence of COVID-19

1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

2.1 World On-board Portable Emissions Measurement Systems (PEMS) Demand (2018-2029)

2.2 World On-board Portable Emissions Measurement Systems (PEMS) Consumption by Region

2.2.1 World On-board Portable Emissions Measurement Systems (PEMS) Consumption by Region (2018-2023)

2.2.2 World On-board Portable Emissions Measurement Systems (PEMS) Consumption Forecast by Region (2024-2029)

2.3 United States On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029)

2.4 China On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029)

2.5 Europe On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029)

2.6 Japan On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029)

2.7 South Korea On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029)

2.8 ASEAN On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029)

2.9 India On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029)

3 WORLD ON-BOARD PORTABLE EMISSIONS MEASUREMENT SYSTEMS (PEMS) MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Manufacturer (2018-2023)

3.2 World On-board Portable Emissions Measurement Systems (PEMS) Production by Manufacturer (2018-2023)

3.3 World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Manufacturer (2018-2023)

3.4 On-board Portable Emissions Measurement Systems (PEMS) Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global On-board Portable Emissions Measurement Systems (PEMS) Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for On-board Portable Emissions

Measurement Systems (PEMS) in 2022

3.5.3 Global Concentration Ratios (CR8) for On-board Portable Emissions

Measurement Systems (PEMS) in 2022

3.6 On-board Portable Emissions Measurement Systems (PEMS) Market: Overall
Company Footprint Analysis

3.6.1 On-board Portable Emissions Measurement Systems (PEMS) Market: Region
Footprint

3.6.2 On-board Portable Emissions Measurement Systems (PEMS) Market: Company
Product Type Footprint

3.6.3 On-board Portable Emissions Measurement Systems (PEMS) Market: Company
Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Production Value Comparison

4.1.1 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Production Comparison

4.2.1 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Consumption Comparison

4.3.1 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: On-board Portable Emissions Measurement Systems
(PEMS) Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based On-board Portable Emissions Measurement Systems (PEMS)

Manufacturers and Market Share, 2018-2023

4.4.1 United States Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value (2018-2023)

4.4.3 United States Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2023)

4.5 China Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers and Market Share

4.5.1 China Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value (2018-2023)

4.5.3 China Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2023)

4.6 Rest of World Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World On-board Portable Emissions Measurement Systems (PEMS) Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Real-Driving Emissions (RDE) PEMS

5.2.2 Integrated PEMS (iPEMS)

5.3 Market Segment by Type

5.3.1 World On-board Portable Emissions Measurement Systems (PEMS) Production by Type (2018-2029)

5.3.2 World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Type (2018-2029)

5.3.3 World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World On-board Portable Emissions Measurement Systems (PEMS) Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Passenger Car

6.2.2 Commercial Vehicle

6.2.3 Others

6.3 Market Segment by Application

6.3.1 World On-board Portable Emissions Measurement Systems (PEMS) Production by Application (2018-2029)

6.3.2 World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Application (2018-2029)

6.3.3 World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Horiba

7.1.1 Horiba Details

7.1.2 Horiba Major Business

7.1.3 Horiba On-board Portable Emissions Measurement Systems (PEMS) Product and Services

7.1.4 Horiba On-board Portable Emissions Measurement Systems (PEMS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Horiba Recent Developments/Updates

7.1.6 Horiba Competitive Strengths & Weaknesses

7.2 DEKRA

7.2.1 DEKRA Details

7.2.2 DEKRA Major Business

7.2.3 DEKRA On-board Portable Emissions Measurement Systems (PEMS) Product and Services

7.2.4 DEKRA On-board Portable Emissions Measurement Systems (PEMS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 DEKRA Recent Developments/Updates

7.2.6 DEKRA Competitive Strengths & Weaknesses

7.3 Sensors

7.3.1 Sensors Details

7.3.2 Sensors Major Business

7.3.3 Sensors On-board Portable Emissions Measurement Systems (PEMS) Product and Services

7.3.4 Sensors On-board Portable Emissions Measurement Systems (PEMS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Sensors Recent Developments/Updates

7.3.6 Sensors Competitive Strengths & Weaknesses

7.4 AVL

7.4.1 AVL Details

7.4.2 AVL Major Business

7.4.3 AVL On-board Portable Emissions Measurement Systems (PEMS) Product and Services

7.4.4 AVL On-board Portable Emissions Measurement Systems (PEMS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 AVL Recent Developments/Updates

7.4.6 AVL Competitive Strengths & Weaknesses

7.5 MAHLE

7.5.1 MAHLE Details

7.5.2 MAHLE Major Business

7.5.3 MAHLE On-board Portable Emissions Measurement Systems (PEMS) Product and Services

7.5.4 MAHLE On-board Portable Emissions Measurement Systems (PEMS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 MAHLE Recent Developments/Updates

7.5.6 MAHLE Competitive Strengths & Weaknesses

7.6 AIP GmbH

7.6.1 AIP GmbH Details

7.6.2 AIP GmbH Major Business

7.6.3 AIP GmbH On-board Portable Emissions Measurement Systems (PEMS) Product and Services

7.6.4 AIP GmbH On-board Portable Emissions Measurement Systems (PEMS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 AIP GmbH Recent Developments/Updates

7.6.6 AIP GmbH Competitive Strengths & Weaknesses

7.7 Testo

7.7.1 Testo Details

7.7.2 Testo Major Business

7.7.3 Testo On-board Portable Emissions Measurement Systems (PEMS) Product and Services

7.7.4 Testo On-board Portable Emissions Measurement Systems (PEMS) Production,

Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 Testo Recent Developments/Updates

7.7.6 Testo Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 On-board Portable Emissions Measurement Systems (PEMS) Industry Chain

8.2 On-board Portable Emissions Measurement Systems (PEMS) Upstream Analysis

8.2.1 On-board Portable Emissions Measurement Systems (PEMS) Core Raw Materials

8.2.2 Main Manufacturers of On-board Portable Emissions Measurement Systems (PEMS) Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 On-board Portable Emissions Measurement Systems (PEMS) Production Mode

8.6 On-board Portable Emissions Measurement Systems (PEMS) Procurement Model

8.7 On-board Portable Emissions Measurement Systems (PEMS) Industry Sales Model and Sales Channels

8.7.1 On-board Portable Emissions Measurement Systems (PEMS) Sales Model

8.7.2 On-board Portable Emissions Measurement Systems (PEMS) Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Region (2018, 2022 and 2029) & (USD Million)
- Table 2. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Region (2018-2023) & (USD Million)
- Table 3. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Region (2024-2029) & (USD Million)
- Table 4. World On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share by Region (2018-2023)
- Table 5. World On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share by Region (2024-2029)
- Table 6. World On-board Portable Emissions Measurement Systems (PEMS) Production by Region (2018-2023) & (K Units)
- Table 7. World On-board Portable Emissions Measurement Systems (PEMS) Production by Region (2024-2029) & (K Units)
- Table 8. World On-board Portable Emissions Measurement Systems (PEMS) Production Market Share by Region (2018-2023)
- Table 9. World On-board Portable Emissions Measurement Systems (PEMS) Production Market Share by Region (2024-2029)
- Table 10. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Region (2018-2023) & (US\$/Unit)
- Table 11. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Region (2024-2029) & (US\$/Unit)
- Table 12. On-board Portable Emissions Measurement Systems (PEMS) Major Market Trends
- Table 13. World On-board Portable Emissions Measurement Systems (PEMS) Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)
- Table 14. World On-board Portable Emissions Measurement Systems (PEMS) Consumption by Region (2018-2023) & (K Units)
- Table 15. World On-board Portable Emissions Measurement Systems (PEMS) Consumption Forecast by Region (2024-2029) & (K Units)
- Table 16. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Manufacturer (2018-2023) & (USD Million)
- Table 17. Production Value Market Share of Key On-board Portable Emissions Measurement Systems (PEMS) Producers in 2022
- Table 18. World On-board Portable Emissions Measurement Systems (PEMS)

Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key On-board Portable Emissions Measurement Systems (PEMS) Producers in 2022

Table 20. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global On-board Portable Emissions Measurement Systems (PEMS) Company Evaluation Quadrant

Table 22. World On-board Portable Emissions Measurement Systems (PEMS) Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and On-board Portable Emissions Measurement Systems (PEMS) Production Site of Key Manufacturer

Table 24. On-board Portable Emissions Measurement Systems (PEMS) Market: Company Product Type Footprint

Table 25. On-board Portable Emissions Measurement Systems (PEMS) Market: Company Product Application Footprint

Table 26. On-board Portable Emissions Measurement Systems (PEMS) Competitive Factors

Table 27. On-board Portable Emissions Measurement Systems (PEMS) New Entrant and Capacity Expansion Plans

Table 28. On-board Portable Emissions Measurement Systems (PEMS) Mergers & Acquisitions Activity

Table 29. United States VS China On-board Portable Emissions Measurement Systems (PEMS) Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China On-board Portable Emissions Measurement Systems (PEMS) Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China On-board Portable Emissions Measurement Systems (PEMS) Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Market Share (2018-2023)

Table 37. China Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Market Share (2018-2023)

Table 42. Rest of World Based On-board Portable Emissions Measurement Systems (PEMS) Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Market Share (2018-2023)

Table 47. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World On-board Portable Emissions Measurement Systems (PEMS) Production by Type (2018-2023) & (K Units)

Table 49. World On-board Portable Emissions Measurement Systems (PEMS) Production by Type (2024-2029) & (K Units)

Table 50. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Type (2018-2023) & (USD Million)

Table 51. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Type (2024-2029) & (USD Million)

Table 52. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World On-board Portable Emissions Measurement Systems (PEMS) Production by Application (2018-2023) & (K Units)

Table 56. World On-board Portable Emissions Measurement Systems (PEMS) Production by Application (2024-2029) & (K Units)

Table 57. World On-board Portable Emissions Measurement Systems (PEMS)

Production Value by Application (2018-2023) & (USD Million)

Table 58. World On-board Portable Emissions Measurement Systems (PEMS)

Production Value by Application (2024-2029) & (USD Million)

Table 59. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Horiba Basic Information, Manufacturing Base and Competitors

Table 62. Horiba Major Business

Table 63. Horiba On-board Portable Emissions Measurement Systems (PEMS) Product and Services

Table 64. Horiba On-board Portable Emissions Measurement Systems (PEMS)

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Horiba Recent Developments/Updates

Table 66. Horiba Competitive Strengths & Weaknesses

Table 67. DEKRA Basic Information, Manufacturing Base and Competitors

Table 68. DEKRA Major Business

Table 69. DEKRA On-board Portable Emissions Measurement Systems (PEMS) Product and Services

Table 70. DEKRA On-board Portable Emissions Measurement Systems (PEMS)

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. DEKRA Recent Developments/Updates

Table 72. DEKRA Competitive Strengths & Weaknesses

Table 73. Sensors Basic Information, Manufacturing Base and Competitors

Table 74. Sensors Major Business

Table 75. Sensors On-board Portable Emissions Measurement Systems (PEMS) Product and Services

Table 76. Sensors On-board Portable Emissions Measurement Systems (PEMS)

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Sensors Recent Developments/Updates

Table 78. Sensors Competitive Strengths & Weaknesses

Table 79. AVL Basic Information, Manufacturing Base and Competitors

Table 80. AVL Major Business

Table 81. AVL On-board Portable Emissions Measurement Systems (PEMS) Product and Services

Table 82. AVL On-board Portable Emissions Measurement Systems (PEMS)

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. AVL Recent Developments/Updates

Table 84. AVL Competitive Strengths & Weaknesses

Table 85. MAHLE Basic Information, Manufacturing Base and Competitors

Table 86. MAHLE Major Business

Table 87. MAHLE On-board Portable Emissions Measurement Systems (PEMS) Product and Services

Table 88. MAHLE On-board Portable Emissions Measurement Systems (PEMS)

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. MAHLE Recent Developments/Updates

Table 90. MAHLE Competitive Strengths & Weaknesses

Table 91. AIP GmbH Basic Information, Manufacturing Base and Competitors

Table 92. AIP GmbH Major Business

Table 93. AIP GmbH On-board Portable Emissions Measurement Systems (PEMS) Product and Services

Table 94. AIP GmbH On-board Portable Emissions Measurement Systems (PEMS)

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. AIP GmbH Recent Developments/Updates

Table 96. Testo Basic Information, Manufacturing Base and Competitors

Table 97. Testo Major Business

Table 98. Testo On-board Portable Emissions Measurement Systems (PEMS) Product and Services

Table 99. Testo On-board Portable Emissions Measurement Systems (PEMS)

Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 100. Global Key Players of On-board Portable Emissions Measurement Systems (PEMS) Upstream (Raw Materials)

Table 101. On-board Portable Emissions Measurement Systems (PEMS) Typical Customers

Table 102. On-board Portable Emissions Measurement Systems (PEMS) Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. On-board Portable Emissions Measurement Systems (PEMS) Picture
- Figure 2. World On-board Portable Emissions Measurement Systems (PEMS) Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World On-board Portable Emissions Measurement Systems (PEMS) Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029) & (K Units)
- Figure 5. World On-board Portable Emissions Measurement Systems (PEMS) Average Price (2018-2029) & (US\$/Unit)
- Figure 6. World On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share by Region (2018-2029)
- Figure 7. World On-board Portable Emissions Measurement Systems (PEMS) Production Market Share by Region (2018-2029)
- Figure 8. North America On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029) & (K Units)
- Figure 9. Europe On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029) & (K Units)
- Figure 10. China On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029) & (K Units)
- Figure 11. Japan On-board Portable Emissions Measurement Systems (PEMS) Production (2018-2029) & (K Units)
- Figure 12. On-board Portable Emissions Measurement Systems (PEMS) Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)
- Figure 15. World On-board Portable Emissions Measurement Systems (PEMS) Consumption Market Share by Region (2018-2029)
- Figure 16. United States On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)
- Figure 17. China On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)
- Figure 18. Europe On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)
- Figure 19. Japan On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)

- Figure 20. South Korea On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)
- Figure 21. ASEAN On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)
- Figure 22. India On-board Portable Emissions Measurement Systems (PEMS) Consumption (2018-2029) & (K Units)
- Figure 23. Producer Shipments of On-board Portable Emissions Measurement Systems (PEMS) by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 24. Global Four-firm Concentration Ratios (CR4) for On-board Portable Emissions Measurement Systems (PEMS) Markets in 2022
- Figure 25. Global Four-firm Concentration Ratios (CR8) for On-board Portable Emissions Measurement Systems (PEMS) Markets in 2022
- Figure 26. United States VS China: On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share Comparison (2018 & 2022 & 2029)
- Figure 27. United States VS China: On-board Portable Emissions Measurement Systems (PEMS) Production Market Share Comparison (2018 & 2022 & 2029)
- Figure 28. United States VS China: On-board Portable Emissions Measurement Systems (PEMS) Consumption Market Share Comparison (2018 & 2022 & 2029)
- Figure 29. United States Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Market Share 2022
- Figure 30. China Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Market Share 2022
- Figure 31. Rest of World Based Manufacturers On-board Portable Emissions Measurement Systems (PEMS) Production Market Share 2022
- Figure 32. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 33. World On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share by Type in 2022
- Figure 34. Real-Driving Emissions (RDE) PEMS
- Figure 35. Integrated PEMS (iPEMS)
- Figure 36. World On-board Portable Emissions Measurement Systems (PEMS) Production Market Share by Type (2018-2029)
- Figure 37. World On-board Portable Emissions Measurement Systems (PEMS) Production Value Market Share by Type (2018-2029)
- Figure 38. World On-board Portable Emissions Measurement Systems (PEMS) Average Price by Type (2018-2029) & (US\$/Unit)
- Figure 39. World On-board Portable Emissions Measurement Systems (PEMS) Production Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 40. World On-board Portable Emissions Measurement Systems (PEMS)

Production Value Market Share by Application in 2022

Figure 41. Passenger Car

Figure 42. Commercial Vehicle

Figure 43. Others

Figure 44. World On-board Portable Emissions Measurement Systems (PEMS)

Production Market Share by Application (2018-2029)

Figure 45. World On-board Portable Emissions Measurement Systems (PEMS)

Production Value Market Share by Application (2018-2029)

Figure 46. World On-board Portable Emissions Measurement Systems (PEMS)

Average Price by Application (2018-2029) & (US\$/Unit)

Figure 47. On-board Portable Emissions Measurement Systems (PEMS) Industry Chain

Figure 48. On-board Portable Emissions Measurement Systems (PEMS) Procurement Model

Figure 49. On-board Portable Emissions Measurement Systems (PEMS) Sales Model

Figure 50. On-board Portable Emissions Measurement Systems (PEMS) Sales Channels, Direct Sales, and Distribution

Figure 51. Methodology

Figure 52. Research Process and Data Source

I would like to order

Product name: Global On-board Portable Emissions Measurement Systems (PEMS) Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G73C5DE877B8EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G73C5DE877B8EN.html>