

Global Digital Pulse Generators Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G2767AEAB3C8EN.html>

Date: February 2026

Pages: 116

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

ID: G2767AEAB3C8EN

Abstracts

The global Digital Pulse Generators market size is expected to reach \$ 1800 million by 2032, rising at a market growth of 9.8% CAGR during the forecast period (2026-2032). Digital Pulse Generators are electronic instruments designed to produce precisely timed electrical pulses with controllable amplitude, duration, and repetition characteristics, and they are widely used in semiconductor device characterization, precision measurement, industrial control, scientific research, and advanced equipment validation. These instruments typically feature high timing resolution, low jitter, programmable logic control, and multi-channel synchronized outputs, making them a critical interface between digital control systems and devices under test. From an engineering perspective, digital pulse generators integrate the functions of signal sources, timing controllers, and excitation modules, and their technological evolution is closely aligned with the advancement of high-speed electronics, advanced manufacturing, and complex system debugging requirements across both research and industrial domains. The industry environment for digital pulse generators is shaped by the parallel upgrading of advanced manufacturing and scientific research infrastructures. The continued scaling of semiconductor processes toward higher integration and smaller feature sizes has increased the demand for precise timing accuracy and signal stability in device testing and validation. At the same time, the growing complexity of industrial automation and power electronic systems has reinforced reliance on reliable timing and pulse control equipment. Sustained government investment in fundamental research, semiconductor self-sufficiency, and high-end equipment manufacturing has created a supportive institutional environment for test and measurement technologies. Market opportunities coexist with structural challenges, as rising performance and reliability thresholds in high-end applications are accompanied by constraints related to critical component supply, long-term calibration capabilities, and system-level engineering expertise.

Within the supply chain, digital pulse generators occupy a midstream position in the electronic test and measurement equipment industry. Upstream suppliers provide high-stability clock sources, high-speed digital-to-analog and analog-to-digital converters, precision power management components, and high-reliability interconnect and packaging solutions. Downstream users include research institutions, semiconductor fabrication and packaging companies, industrial equipment manufacturers, and organizations involved in defense and aerospace programs. Representative manufacturers such as Keysight Technologies, Inc. (NYSE: KEYS ? Santa Rosa, California, USA)?Tektronix, Inc. (Beaverton, Oregon, USA)?B&K Precision Corporation (Yorba Linda, California, USA) have long focused on designing and producing proprietary pulse and signal generation equipment for professional testing and research markets. Downstream demand is strongly engineering-driven, with end users placing greater emphasis on long-term stability, software and system compatibility, and technical support capabilities rather than isolated performance metrics, favoring manufacturers with deep engineering heritage. From an application standpoint, demand for digital pulse generators is increasingly concentrated in high-end research and complex system validation scenarios. Semiconductor device testing, quantum devices and advanced materials research, high-speed communications, and power electronics experiments all require enhanced multi-channel synchronization, ultra-low jitter, and flexible programmability. In more mature application areas such as industrial automation and educational laboratories, product development emphasizes reliability, ease of use, and cost efficiency. Overall, higher value-added applications are driving increased demand for customization and system integration, gradually shifting the market from standalone instruments toward comprehensive test solutions. Regionally, North America and Europe continue to demonstrate stable demand for high-performance digital pulse generators, supported by well-established research ecosystems, advanced manufacturing bases, and defense and aerospace requirements. These regions have fostered manufacturers known for technical depth and long-standing brand credibility. China and the broader Asia-Pacific region have significantly increased their emphasis on test and measurement equipment as semiconductor manufacturing, electronic equipment production, and research investment expand, with domestic manufacturers strengthening their presence in mid-to high-end segments. In other emerging regions, demand is more closely tied to industrialization and the development of higher education systems, showing gradual adoption and progressive upgrading trends. Since 2021, several international test and measurement equipment manufacturers have highlighted continued investment in high-speed timing control and programmable pulse technologies in official announcements, targeting advanced semiconductor and research applications. In 2022, government

policy documents in the United States and several European countries emphasized strengthening testing and validation capabilities in semiconductor and critical technology sectors, indirectly supporting demand for high-end pulse and signal generation equipment. During 2023 and 2024, a number of Asian instrument manufacturers disclosed increased research and development investment in high-performance signal and pulse generators in their annual reports and product releases, reflecting the long-term strategic importance of this segment within the global electronics manufacturing and research ecosystem.

This report studies the global Digital Pulse Generators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Digital Pulse Generators and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Digital Pulse Generators that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Digital Pulse Generators total production and demand, 2021-2032, (K Units)

Global Digital Pulse Generators total production value, 2021-2032, (USD Million)

Global Digital Pulse Generators production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Digital Pulse Generators consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Digital Pulse Generators domestic production, consumption, key domestic manufacturers and share

Global Digital Pulse Generators production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Digital Pulse Generators production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Digital Pulse Generators production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Digital Pulse Generators 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 Keysight Technologies, Inc., Tektronix, Inc., B&K Precision Corporation, SIGLENT Technologies Co., Ltd., Tabor Electronics Ltd., Berkeley Nucleonics Corporation, GW Instek, AIM-TTi, RIGOL Technologies, Inc., NI, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Digital Pulse Generators market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Digital Pulse Generators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Digital Pulse Generators Market, Segmentation by Type:

Portable

Benchtop

Global Digital Pulse Generators Market, Segmentation by Output Interface Type:

Single-Channel Pulse Output

Multi-Channel Synchronous Pulse Output

Digital & Analog Hybrid Output

Global Digital Pulse Generators Market, Segmentation by Implementation Technology:

Discrete Logic Pulse Generator

FPGA/SoC Based Pulse Generator

Software Defined Pulse Generator

Global Digital Pulse Generators Market, Segmentation by Application:

Medical

Telecom

Military

Scientific Research

Others

Companies Profiled:

Keysight Technologies, Inc.

Tektronix, Inc.

B&K Precision Corporation

SIGLENT Technologies Co., Ltd.

Tabor Electronics Ltd.

Berkeley Nucleonics Corporation

GW Instek

AIM-TTi

RIGOL Technologies, Inc.

NI

Rohde & Schwarz GmbH & Co. KG

Fluke Corporation

Active Technologies SRL

AIM-TTi Instruments

Key Questions Answered:

1. How big is the global Digital Pulse Generators market?
2. What is the demand of the global Digital Pulse Generators market?
3. What is the year over year growth of the global Digital Pulse Generators market?
4. What is the production and production value of the global Digital Pulse Generators market?
5. Who are the key producers in the global Digital Pulse Generators market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Digital Pulse Generators Introduction
- 1.2 World Digital Pulse Generators Supply & Forecast
 - 1.2.1 World Digital Pulse Generators Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Digital Pulse Generators Production (2021-2032)
 - 1.2.3 World Digital Pulse Generators Pricing Trends (2021-2032)
- 1.3 World Digital Pulse Generators Production by Region (Based on Production Site)
 - 1.3.1 World Digital Pulse Generators Production Value by Region (2021-2032)
 - 1.3.2 World Digital Pulse Generators Production by Region (2021-2032)
 - 1.3.3 World Digital Pulse Generators Average Price by Region (2021-2032)
 - 1.3.4 North America Digital Pulse Generators Production (2021-2032)
 - 1.3.5 Europe Digital Pulse Generators Production (2021-2032)
 - 1.3.6 China Digital Pulse Generators Production (2021-2032)
 - 1.3.7 Japan Digital Pulse Generators Production (2021-2032)
 - 1.3.8 China Taiwan Digital Pulse Generators Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Digital Pulse Generators Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Digital Pulse Generators Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Digital Pulse Generators Demand (2021-2032)
- 2.2 World Digital Pulse Generators Consumption by Region
 - 2.2.1 World Digital Pulse Generators Consumption by Region (2021-2026)
 - 2.2.2 World Digital Pulse Generators Consumption Forecast by Region (2027-2032)
- 2.3 United States Digital Pulse Generators Consumption (2021-2032)
- 2.4 China Digital Pulse Generators Consumption (2021-2032)
- 2.5 Europe Digital Pulse Generators Consumption (2021-2032)
- 2.6 Japan Digital Pulse Generators Consumption (2021-2032)
- 2.7 South Korea Digital Pulse Generators Consumption (2021-2032)
- 2.8 ASEAN Digital Pulse Generators Consumption (2021-2032)
- 2.9 India Digital Pulse Generators Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Digital Pulse Generators Production Value by Manufacturer (2021-2026)
- 3.2 World Digital Pulse Generators Production by Manufacturer (2021-2026)
- 3.3 World Digital Pulse Generators Average Price by Manufacturer (2021-2026)
- 3.4 Digital Pulse Generators Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Digital Pulse Generators Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Digital Pulse Generators in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Digital Pulse Generators in 2025
- 3.6 Digital Pulse Generators Market: Overall Company Footprint Analysis
 - 3.6.1 Digital Pulse Generators Market: Region Footprint
 - 3.6.2 Digital Pulse Generators Market: Company Product Type Footprint
 - 3.6.3 Digital Pulse Generators 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: Digital Pulse Generators Production Value Comparison
 - 4.1.1 United States VS China: Digital Pulse Generators Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Digital Pulse Generators Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Digital Pulse Generators Production Comparison
 - 4.2.1 United States VS China: Digital Pulse Generators Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Digital Pulse Generators Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Digital Pulse Generators Consumption Comparison
 - 4.3.1 United States VS China: Digital Pulse Generators Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Digital Pulse Generators Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Digital Pulse Generators Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Digital Pulse Generators Manufacturers, Headquarters and

Production Site (States, Country)

4.4.2 United States Based Manufacturers Digital Pulse Generators Production Value (2021-2026)

4.4.3 United States Based Manufacturers Digital Pulse Generators Production (2021-2026)

4.5 China Based Digital Pulse Generators Manufacturers and Market Share

4.5.1 China Based Digital Pulse Generators Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Digital Pulse Generators Production Value (2021-2026)

4.5.3 China Based Manufacturers Digital Pulse Generators Production (2021-2026)

4.6 Rest of World Based Digital Pulse Generators Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Digital Pulse Generators Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Digital Pulse Generators Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Digital Pulse Generators Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Digital Pulse Generators Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Portable

5.2.2 Benchtop

5.3 Market Segment by Type

5.3.1 World Digital Pulse Generators Production by Type (2021-2032)

5.3.2 World Digital Pulse Generators Production Value by Type (2021-2032)

5.3.3 World Digital Pulse Generators Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY OUTPUT INTERFACE TYPE

6.1 World Digital Pulse Generators Market Size Overview by Output Interface Type: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Output Interface Type

6.2.1 Single-Channel Pulse Output

6.2.2 Multi-Channel Synchronous Pulse Output

6.2.3 Digital & Analog Hybrid Output

6.3 Market Segment by Output Interface Type

6.3.1 World Digital Pulse Generators Production by Output Interface Type (2021-2032)

6.3.2 World Digital Pulse Generators Production Value by Output Interface Type (2021-2032)

6.3.3 World Digital Pulse Generators Average Price by Output Interface Type (2021-2032)

7 MARKET ANALYSIS BY IMPLEMENTATION TECHNOLOGY

7.1 World Digital Pulse Generators Market Size Overview by Implementation Technology: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Implementation Technology

7.2.1 Discrete Logic Pulse Generator

7.2.2 FPGA/SoC Based Pulse Generator

7.2.3 Software Defined Pulse Generator

7.3 Market Segment by Implementation Technology

7.3.1 World Digital Pulse Generators Production by Implementation Technology (2021-2032)

7.3.2 World Digital Pulse Generators Production Value by Implementation Technology (2021-2032)

7.3.3 World Digital Pulse Generators Average Price by Implementation Technology (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Digital Pulse Generators Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Medical

8.2.2 Telecom

8.2.3 Military

8.2.4 Scientific Research

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Digital Pulse Generators Production by Application (2021-2032)

8.3.2 World Digital Pulse Generators Production Value by Application (2021-2032)

8.3.3 World Digital Pulse Generators Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Keysight Technologies, Inc.

9.1.1 Keysight Technologies, Inc. Details

9.1.2 Keysight Technologies, Inc. Major Business

9.1.3 Keysight Technologies, Inc. Digital Pulse Generators Product and Services

9.1.4 Keysight Technologies, Inc. Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Keysight Technologies, Inc. Recent Developments/Updates

9.1.6 Keysight Technologies, Inc. Competitive Strengths & Weaknesses

9.2 Tektronix, Inc.

9.2.1 Tektronix, Inc. Details

9.2.2 Tektronix, Inc. Major Business

9.2.3 Tektronix, Inc. Digital Pulse Generators Product and Services

9.2.4 Tektronix, Inc. Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Tektronix, Inc. Recent Developments/Updates

9.2.6 Tektronix, Inc. Competitive Strengths & Weaknesses

9.3 B&K Precision Corporation

9.3.1 B&K Precision Corporation Details

9.3.2 B&K Precision Corporation Major Business

9.3.3 B&K Precision Corporation Digital Pulse Generators Product and Services

9.3.4 B&K Precision Corporation Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 B&K Precision Corporation Recent Developments/Updates

9.3.6 B&K Precision Corporation Competitive Strengths & Weaknesses

9.4 SIGLENT Technologies Co., Ltd.

9.4.1 SIGLENT Technologies Co., Ltd. Details

9.4.2 SIGLENT Technologies Co., Ltd. Major Business

9.4.3 SIGLENT Technologies Co., Ltd. Digital Pulse Generators Product and Services

9.4.4 SIGLENT Technologies Co., Ltd. Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 SIGLENT Technologies Co., Ltd. Recent Developments/Updates

9.4.6 SIGLENT Technologies Co., Ltd. Competitive Strengths & Weaknesses

9.5 Tabor Electronics Ltd.

9.5.1 Tabor Electronics Ltd. Details

9.5.2 Tabor Electronics Ltd. Major Business

9.5.3 Tabor Electronics Ltd. Digital Pulse Generators Product and Services

9.5.4 Tabor Electronics Ltd. Digital Pulse Generators Production, Price, Value, Gross

Margin and Market Share (2021-2026)

9.5.5 Tabor Electronics Ltd. Recent Developments/Updates

9.5.6 Tabor Electronics Ltd. Competitive Strengths & Weaknesses

9.6 Berkeley Nucleonics Corporation

9.6.1 Berkeley Nucleonics Corporation Details

9.6.2 Berkeley Nucleonics Corporation Major Business

9.6.3 Berkeley Nucleonics Corporation Digital Pulse Generators Product and Services

9.6.4 Berkeley Nucleonics Corporation Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Berkeley Nucleonics Corporation Recent Developments/Updates

9.6.6 Berkeley Nucleonics Corporation Competitive Strengths & Weaknesses

9.7 GW Instek

9.7.1 GW Instek Details

9.7.2 GW Instek Major Business

9.7.3 GW Instek Digital Pulse Generators Product and Services

9.7.4 GW Instek Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 GW Instek Recent Developments/Updates

9.7.6 GW Instek Competitive Strengths & Weaknesses

9.8 AIM-TTi

9.8.1 AIM-TTi Details

9.8.2 AIM-TTi Major Business

9.8.3 AIM-TTi Digital Pulse Generators Product and Services

9.8.4 AIM-TTi Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 AIM-TTi Recent Developments/Updates

9.8.6 AIM-TTi Competitive Strengths & Weaknesses

9.9 RIGOL Technologies, Inc.

9.9.1 RIGOL Technologies, Inc. Details

9.9.2 RIGOL Technologies, Inc. Major Business

9.9.3 RIGOL Technologies, Inc. Digital Pulse Generators Product and Services

9.9.4 RIGOL Technologies, Inc. Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 RIGOL Technologies, Inc. Recent Developments/Updates

9.9.6 RIGOL Technologies, Inc. Competitive Strengths & Weaknesses

9.10 NI

9.10.1 NI Details

9.10.2 NI Major Business

9.10.3 NI Digital Pulse Generators Product and Services

9.10.4 NI Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 NI Recent Developments/Updates

9.10.6 NI Competitive Strengths & Weaknesses

9.11 Rohde & Schwarz GmbH & Co. KG

9.11.1 Rohde & Schwarz GmbH & Co. KG Details

9.11.2 Rohde & Schwarz GmbH & Co. KG Major Business

9.11.3 Rohde & Schwarz GmbH & Co. KG Digital Pulse Generators Product and Services

9.11.4 Rohde & Schwarz GmbH & Co. KG Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Rohde & Schwarz GmbH & Co. KG Recent Developments/Updates

9.11.6 Rohde & Schwarz GmbH & Co. KG Competitive Strengths & Weaknesses

9.12 Fluke Corporation

9.12.1 Fluke Corporation Details

9.12.2 Fluke Corporation Major Business

9.12.3 Fluke Corporation Digital Pulse Generators Product and Services

9.12.4 Fluke Corporation Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Fluke Corporation Recent Developments/Updates

9.12.6 Fluke Corporation Competitive Strengths & Weaknesses

9.13 Active Technologies SRL

9.13.1 Active Technologies SRL Details

9.13.2 Active Technologies SRL Major Business

9.13.3 Active Technologies SRL Digital Pulse Generators Product and Services

9.13.4 Active Technologies SRL Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 Active Technologies SRL Recent Developments/Updates

9.13.6 Active Technologies SRL Competitive Strengths & Weaknesses

9.14 AIM-TTi Instruments

9.14.1 AIM-TTi Instruments Details

9.14.2 AIM-TTi Instruments Major Business

9.14.3 AIM-TTi Instruments Digital Pulse Generators Product and Services

9.14.4 AIM-TTi Instruments Digital Pulse Generators Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.14.5 AIM-TTi Instruments Recent Developments/Updates

9.14.6 AIM-TTi Instruments Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Digital Pulse Generators Industry Chain
- 10.2 Digital Pulse Generators Upstream Analysis
 - 10.2.1 Digital Pulse Generators Core Raw Materials
 - 10.2.2 Main Manufacturers of Digital Pulse Generators Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Digital Pulse Generators Production Mode
- 10.6 Digital Pulse Generators Procurement Model
- 10.7 Digital Pulse Generators Industry Sales Model and Sales Channels
 - 10.7.1 Digital Pulse Generators Sales Model
 - 10.7.2 Digital Pulse Generators Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Digital Pulse Generators Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Digital Pulse Generators Production Value by Region (2021-2026) & (USD Million)

Table 3. World Digital Pulse Generators Production Value by Region (2027-2032) & (USD Million)

Table 4. World Digital Pulse Generators Production Value Market Share by Region (2021-2026)

Table 5. World Digital Pulse Generators Production Value Market Share by Region (2027-2032)

Table 6. World Digital Pulse Generators Production by Region (2021-2026) & (K Units)

Table 7. World Digital Pulse Generators Production by Region (2027-2032) & (K Units)

Table 8. World Digital Pulse Generators Production Market Share by Region (2021-2026)

Table 9. World Digital Pulse Generators Production Market Share by Region (2027-2032)

Table 10. World Digital Pulse Generators Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Digital Pulse Generators Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Digital Pulse Generators Major Market Trends

Table 13. World Digital Pulse Generators Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Digital Pulse Generators Consumption by Region (2021-2026) & (K Units)

Table 15. World Digital Pulse Generators Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Digital Pulse Generators Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Digital Pulse Generators Producers in 2025

Table 18. World Digital Pulse Generators Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Digital Pulse Generators Producers in 2025

Table 20. World Digital Pulse Generators Average Price by Manufacturer (2021-2026) &

(US\$/Unit)

Table 21. Global Digital Pulse Generators Company Evaluation Quadrant

Table 22. World Digital Pulse Generators Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Digital Pulse Generators Production Site of Key Manufacturer

Table 24. Digital Pulse Generators Market: Company Product Type Footprint

Table 25. Digital Pulse Generators Market: Company Product Application Footprint

Table 26. Digital Pulse Generators Competitive Factors

Table 27. Digital Pulse Generators New Entrant and Capacity Expansion Plans

Table 28. Digital Pulse Generators Mergers & Acquisitions Activity

Table 29. United States VS China Digital Pulse Generators Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Digital Pulse Generators Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Digital Pulse Generators Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Digital Pulse Generators Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Digital Pulse Generators Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Digital Pulse Generators Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Digital Pulse Generators Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Digital Pulse Generators Production Market Share (2021-2026)

Table 37. China Based Digital Pulse Generators Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Digital Pulse Generators Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Digital Pulse Generators Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Digital Pulse Generators Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Digital Pulse Generators Production Market Share (2021-2026)

Table 42. Rest of World Based Digital Pulse Generators Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Digital Pulse Generators Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Digital Pulse Generators Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Digital Pulse Generators Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Digital Pulse Generators Production Market Share (2021-2026)

Table 47. World Digital Pulse Generators Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Digital Pulse Generators Production by Type (2021-2026) & (K Units)

Table 49. World Digital Pulse Generators Production by Type (2027-2032) & (K Units)

Table 50. World Digital Pulse Generators Production Value by Type (2021-2026) & (USD Million)

Table 51. World Digital Pulse Generators Production Value by Type (2027-2032) & (USD Million)

Table 52. World Digital Pulse Generators Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Digital Pulse Generators Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Digital Pulse Generators Production Value by Output Interface Type, (USD Million), 2021 & 2025 & 2032

Table 55. World Digital Pulse Generators Production by Output Interface Type (2021-2026) & (K Units)

Table 56. World Digital Pulse Generators Production by Output Interface Type (2027-2032) & (K Units)

Table 57. World Digital Pulse Generators Production Value by Output Interface Type (2021-2026) & (USD Million)

Table 58. World Digital Pulse Generators Production Value by Output Interface Type (2027-2032) & (USD Million)

Table 59. World Digital Pulse Generators Average Price by Output Interface Type (2021-2026) & (US\$/Unit)

Table 60. World Digital Pulse Generators Average Price by Output Interface Type (2027-2032) & (US\$/Unit)

Table 61. World Digital Pulse Generators Production Value by Implementation Technology, (USD Million), 2021 & 2025 & 2032

Table 62. World Digital Pulse Generators Production by Implementation Technology (2021-2026) & (K Units)

Table 63. World Digital Pulse Generators Production by Implementation Technology

(2027-2032) & (K Units)

Table 64. World Digital Pulse Generators Production Value by Implementation Technology (2021-2026) & (USD Million)

Table 65. World Digital Pulse Generators Production Value by Implementation Technology (2027-2032) & (USD Million)

Table 66. World Digital Pulse Generators Average Price by Implementation Technology (2021-2026) & (US\$/Unit)

Table 67. World Digital Pulse Generators Average Price by Implementation Technology (2027-2032) & (US\$/Unit)

Table 68. World Digital Pulse Generators Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Digital Pulse Generators Production by Application (2021-2026) & (K Units)

Table 70. World Digital Pulse Generators Production by Application (2027-2032) & (K Units)

Table 71. World Digital Pulse Generators Production Value by Application (2021-2026) & (USD Million)

Table 72. World Digital Pulse Generators Production Value by Application (2027-2032) & (USD Million)

Table 73. World Digital Pulse Generators Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Digital Pulse Generators Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Keysight Technologies, Inc. Basic Information, Manufacturing Base and Competitors

Table 76. Keysight Technologies, Inc. Major Business

Table 77. Keysight Technologies, Inc. Digital Pulse Generators Product and Services

Table 78. Keysight Technologies, Inc. Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Keysight Technologies, Inc. Recent Developments/Updates

Table 80. Keysight Technologies, Inc. Competitive Strengths & Weaknesses

Table 81. Tektronix, Inc. Basic Information, Manufacturing Base and Competitors

Table 82. Tektronix, Inc. Major Business

Table 83. Tektronix, Inc. Digital Pulse Generators Product and Services

Table 84. Tektronix, Inc. Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Tektronix, Inc. Recent Developments/Updates

Table 86. Tektronix, Inc. Competitive Strengths & Weaknesses

Table 87. B&K Precision Corporation Basic Information, Manufacturing Base and Competitors

Table 88. B&K Precision Corporation Major Business

Table 89. B&K Precision Corporation Digital Pulse Generators Product and Services

Table 90. B&K Precision Corporation Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. B&K Precision Corporation Recent Developments/Updates

Table 92. B&K Precision Corporation Competitive Strengths & Weaknesses

Table 93. SIGLENT Technologies Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 94. SIGLENT Technologies Co., Ltd. Major Business

Table 95. SIGLENT Technologies Co., Ltd. Digital Pulse Generators Product and Services

Table 96. SIGLENT Technologies Co., Ltd. Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. SIGLENT Technologies Co., Ltd. Recent Developments/Updates

Table 98. SIGLENT Technologies Co., Ltd. Competitive Strengths & Weaknesses

Table 99. Tabor Electronics Ltd. Basic Information, Manufacturing Base and Competitors

Table 100. Tabor Electronics Ltd. Major Business

Table 101. Tabor Electronics Ltd. Digital Pulse Generators Product and Services

Table 102. Tabor Electronics Ltd. Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Tabor Electronics Ltd. Recent Developments/Updates

Table 104. Tabor Electronics Ltd. Competitive Strengths & Weaknesses

Table 105. Berkeley Nucleonics Corporation Basic Information, Manufacturing Base and Competitors

Table 106. Berkeley Nucleonics Corporation Major Business

Table 107. Berkeley Nucleonics Corporation Digital Pulse Generators Product and Services

Table 108. Berkeley Nucleonics Corporation Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Berkeley Nucleonics Corporation Recent Developments/Updates

Table 110. Berkeley Nucleonics Corporation Competitive Strengths & Weaknesses

Table 111. GW Instek Basic Information, Manufacturing Base and Competitors

Table 112. GW Instek Major Business

Table 113. GW Instek Digital Pulse Generators Product and Services

Table 114. GW Instek Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. GW Instek Recent Developments/Updates

Table 116. GW Instek Competitive Strengths & Weaknesses

Table 117. AIM-TTi Basic Information, Manufacturing Base and Competitors

Table 118. AIM-TTi Major Business

Table 119. AIM-TTi Digital Pulse Generators Product and Services

Table 120. AIM-TTi Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. AIM-TTi Recent Developments/Updates

Table 122. AIM-TTi Competitive Strengths & Weaknesses

Table 123. RIGOL Technologies, Inc. Basic Information, Manufacturing Base and Competitors

Table 124. RIGOL Technologies, Inc. Major Business

Table 125. RIGOL Technologies, Inc. Digital Pulse Generators Product and Services

Table 126. RIGOL Technologies, Inc. Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. RIGOL Technologies, Inc. Recent Developments/Updates

Table 128. RIGOL Technologies, Inc. Competitive Strengths & Weaknesses

Table 129. NI Basic Information, Manufacturing Base and Competitors

Table 130. NI Major Business

Table 131. NI Digital Pulse Generators Product and Services

Table 132. NI Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. NI Recent Developments/Updates

Table 134. NI Competitive Strengths & Weaknesses

Table 135. Rohde & Schwarz GmbH & Co. KG Basic Information, Manufacturing Base and Competitors

Table 136. Rohde & Schwarz GmbH & Co. KG Major Business

Table 137. Rohde & Schwarz GmbH & Co. KG Digital Pulse Generators Product and Services

Table 138. Rohde & Schwarz GmbH & Co. KG Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Rohde & Schwarz GmbH & Co. KG Recent Developments/Updates

- Table 140. Rohde & Schwarz GmbH & Co. KG Competitive Strengths & Weaknesses
- Table 141. Fluke Corporation Basic Information, Manufacturing Base and Competitors
- Table 142. Fluke Corporation Major Business
- Table 143. Fluke Corporation Digital Pulse Generators Product and Services
- Table 144. Fluke Corporation Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. Fluke Corporation Recent Developments/Updates
- Table 146. Fluke Corporation Competitive Strengths & Weaknesses
- Table 147. Active Technologies SRL Basic Information, Manufacturing Base and Competitors
- Table 148. Active Technologies SRL Major Business
- Table 149. Active Technologies SRL Digital Pulse Generators Product and Services
- Table 150. Active Technologies SRL Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. Active Technologies SRL Recent Developments/Updates
- Table 152. Active Technologies SRL Competitive Strengths & Weaknesses
- Table 153. AIM-TTi Instruments Basic Information, Manufacturing Base and Competitors
- Table 154. AIM-TTi Instruments Major Business
- Table 155. AIM-TTi Instruments Digital Pulse Generators Product and Services
- Table 156. AIM-TTi Instruments Digital Pulse Generators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. AIM-TTi Instruments Recent Developments/Updates
- Table 158. AIM-TTi Instruments Competitive Strengths & Weaknesses
- Table 159. Global Key Players of Digital Pulse Generators Upstream (Raw Materials)
- Table 160. Global Digital Pulse Generators Typical Customers
- Table 161. Digital Pulse Generators Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Digital Pulse Generators Picture
- Figure 2. World Digital Pulse Generators Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Digital Pulse Generators Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Digital Pulse Generators Production (2021-2032) & (K Units)
- Figure 5. World Digital Pulse Generators Average Price (2021-2032) & (US\$/Unit)
- Figure 6. World Digital Pulse Generators Production Value Market Share by Region (2021-2032)
- Figure 7. World Digital Pulse Generators Production Market Share by Region (2021-2032)
- Figure 8. North America Digital Pulse Generators Production (2021-2032) & (K Units)
- Figure 9. Europe Digital Pulse Generators Production (2021-2032) & (K Units)
- Figure 10. China Digital Pulse Generators Production (2021-2032) & (K Units)
- Figure 11. Japan Digital Pulse Generators Production (2021-2032) & (K Units)
- Figure 12. China Taiwan Digital Pulse Generators Production (2021-2032) & (K Units)
- Figure 13. Digital Pulse Generators Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 16. World Digital Pulse Generators Consumption Market Share by Region (2021-2032)
- Figure 17. United States Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 18. China Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 19. Europe Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 20. Japan Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 21. South Korea Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 22. ASEAN Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 23. India Digital Pulse Generators Consumption (2021-2032) & (K Units)
- Figure 24. Producer Shipments of Digital Pulse Generators by Manufacturer Revenue (\$MM) and Market Share (%): 2025
- Figure 25. Global Four-firm Concentration Ratios (CR4) for Digital Pulse Generators Markets in 2025
- Figure 26. Global Four-firm Concentration Ratios (CR8) for Digital Pulse Generators Markets in 2025
- Figure 27. United States VS China: Digital Pulse Generators Production Value Market

Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Digital Pulse Generators Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Digital Pulse Generators Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Digital Pulse Generators Production Market Share 2025

Figure 31. China Based Manufacturers Digital Pulse Generators Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Digital Pulse Generators Production Market Share 2025

Figure 33. World Digital Pulse Generators Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World Digital Pulse Generators Production Value Market Share by Type in 2025

Figure 35. Portable

Figure 36. Benchtop

Figure 37. World Digital Pulse Generators Production Market Share by Type (2021-2032)

Figure 38. World Digital Pulse Generators Production Value Market Share by Type (2021-2032)

Figure 39. World Digital Pulse Generators Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. World Digital Pulse Generators Production Value by Output Interface Type, (USD Million), 2021 & 2025 & 2032

Figure 41. World Digital Pulse Generators Production Value Market Share by Output Interface Type in 2025

Figure 42. Single-Channel Pulse Output

Figure 43. Multi-Channel Synchronous Pulse Output

Figure 44. Digital & Analog Hybrid Output

Figure 45. World Digital Pulse Generators Production Market Share by Output Interface Type (2021-2032)

Figure 46. World Digital Pulse Generators Production Value Market Share by Output Interface Type (2021-2032)

Figure 47. World Digital Pulse Generators Average Price by Output Interface Type (2021-2032) & (US\$/Unit)

Figure 48. World Digital Pulse Generators Production Value by Implementation Technology, (USD Million), 2021 & 2025 & 2032

Figure 49. World Digital Pulse Generators Production Value Market Share by

Implementation Technology in 2025

Figure 50. Discrete Logic Pulse Generator

Figure 51. FPGA/SoC Based Pulse Generator

Figure 52. Software Defined Pulse Generator

Figure 53. World Digital Pulse Generators Production Market Share by Implementation Technology (2021-2032)

Figure 54. World Digital Pulse Generators Production Value Market Share by Implementation Technology (2021-2032)

Figure 55. World Digital Pulse Generators Average Price by Implementation Technology (2021-2032) & (US\$/Unit)

Figure 56. World Digital Pulse Generators Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Digital Pulse Generators Production Value Market Share by Application in 2025

Figure 58. Medical

Figure 59. Telecom

Figure 60. Military

Figure 61. Scientific Research

Figure 62. Others

Figure 63. World Digital Pulse Generators Production Market Share by Application (2021-2032)

Figure 64. World Digital Pulse Generators Production Value Market Share by Application (2021-2032)

Figure 65. World Digital Pulse Generators Average Price by Application (2021-2032) & (US\$/Unit)

Figure 66. Digital Pulse Generators Industry Chain

Figure 67. Digital Pulse Generators Procurement Model

Figure 68. Digital Pulse Generators Sales Model

Figure 69. Digital Pulse Generators Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

I would like to order

Product name: Global Digital Pulse Generators Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G2767AEAB3C8EN.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/G2767AEAB3C8EN.html>