

# Global Test and Measurement Equipment Market

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## Abstracts

Global Test and Measurement Equipment Market By Offering (General Test and Measurement, Mechanical Testing Equipment, Service), By Application (Battery Testing, Wireless Communication Testing, Electronic Testing, Others), By End-User (Medical & Life Science, Automotive, Consumer Electronics, Aerospace & Defense, IT & Telecom, Power Generation, Others) And By Geography – Covid-19 Impact Analysis, Post Covid Analysis, Opportunities, Trends And Forecast From 2021 t-2034

The global Test and Measurement Equipment market was valued at \$34.53 Billion in 2023 and is anticipated t-grow at a CAGR of 7.33% from 2024 t-2034. This growth is attributed t-several macr-and microeconomic factors such as

### Increased Demand for Quality and Compliance

The increased demand for quality and compliance across various industries is a significant driver of the global test and measurement equipment market. Stringent regulatory requirements and industry standards necessitate precise and reliable testing t-ensure product safety, performance, and environmental compliance. For example, in industries like automotive, aerospace, and healthcare, where product failures can have severe consequences, rigorous testing is crucial t-meet safety standards and regulations. Furthermore, consumers are increasingly demanding high-quality and reliable products, driving manufacturers t-implement robust quality control measures, which rely heavily on accurate and efficient test and measurement equipment. This growing emphasis on quality and compliance is driving the demand for advanced testing solutions, including automated systems, high-precision instruments, and software that can ensure accurate and reliable results.

Further several factors restraining the market growth include

## High Initial Investment and Operational Costs

The high cost of advanced test and measurement equipment presents a significant restraint on market growth. Cutting-edge technologies, such as those incorporating artificial intelligence (AI) and machine learning (ML), are expensive to develop and manufacture. These advanced systems often require specialized software, calibration, and ongoing maintenance, which can add to the overall cost of ownership. This high cost can be a barrier for entry for smaller companies and may limit the adoption of the latest technologies for many businesses, hindering the overall advancement of testing capabilities within the industry.

Expansion of Emerging Technologies and collaborations and alliances in the Test and Measurement Equipment market are expected to generate new avenues during the forecast period.

In the wake of the COVID-19 pandemic, supply chain disruptions have led to supply shortages or service demand in the Test and Measurement Equipment market. The pandemic has caused a decline in new orders and a corresponding decrease in application.

This section will analyze how COVID-19 has impacted supply chains, leading to shortages and service demand for Test and Measurement Equipment.

In terms of COVID-19 impact, the Test and Measurement Equipment market report also includes the following data points:

Impact on Test and Measurement Equipment market size

Operating Weights Trend, Preferences, and Budget Impact

Regulatory Framework/Outdoor Policies

Key Players' Strategy to Tackle Negative Impact/Post-COVID Strategies

Opportunity in the Test and Measurement Equipment market

Key Insight in the report:

The global Test and Measurement Equipment market report covers an executive summary, market dynamics, COVID impact & post-COVID scenario, market size and forecast, competitive intelligence, market positioning, and Applications.

Our report covers extensive competitive intelligence which includes the following data points:

Business Overview

Business Segment Data

Financial Data

Application Segment Analysis and Specification

Recent Development and Company Strategy Analysis

SWOT Analysis

Test and Measurement Equipment Market Segmentation:

Offering

General Test and Measurement

Mechanical Testing Equipment

Service

Application

Battery Testing

Wireless Communication Testing

Electronic Testing

Others

End-User

Medical & Life Science

Automotive

Consumer Electronics

Aerospace & Defense

IT & Telecom

Power Generation

Others

Region/ Countries Covered:

North America

US

Canada

Mexico

Europe

U.K.

Germany

France

Italy

Spain

BeNeLux

Russia

Rest of Europe

Asia Pacific

China

Japan

Australia

India

South Korea

Indonesia

Malaysia

Thailand

Philippines

Singapore

Rest of Asia Pacific

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Egypt

South Africa

Rest of Middle East & Africa

Key Players Analyzed in the Report:

Keysight Technologies

Advantest Corporation

Teledyne

Fluke Corporation

Shimadzu Corporation

Rohde & Schwarz

Rigol Technologies

Texas Instruments

VTI Instruments

Pic-Technology

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

### **CHAPTER 2. SCOPE OF THE STUDY**

- 2.1. Market Definition
- 2.2. Market Scope & Segmentation
  - 2.2.1. Objective of Report

### **CHAPTER 3. EVOLVE BI METHODOLOGY**

- 3.1. Data Collection & Validation Approach
- 3.2. Market Size Estimation and Forecast

### **CHAPTER 4. MARKET INSIGHTS AND TRENDS**

- 4.1. Value Chain Analysis
  - 4.1.1. Raw Material
  - 4.1.2. Manufacturing Process
  - 4.1.3. Distribution Channel
  - 4.1.4. End User
- 4.2. Porter's Five Forces Analysis
  - 4.2.1. Bargaining Power of Buyers
  - 4.2.2. Bargaining Power of Suppliers
  - 4.2.3. Threat of New Entrant
  - 4.2.4. Threat of Substitute
  - 4.2.5. Industry Rivalry

### **CHAPTER 5. MARKET DYNAMICS**

- 5.1. Introduction
- 5.2. Drivers
  - 5.2.1. Technological Advancements
  - 5.2.2. Increased Demand for Quality and Compliance
- 5.3. Restraint
  - 5.3.1. High Cost of Advanced Equipment
  - 5.3.2. Rapid Technological Change
- 5.4. Opportunity

- 5.4.1. Expansion of Emerging Technologies
- 5.5. Macro Factor Affecting Test And Measurement Market
  - 5.5.1. Technological Advancements
  - 5.5.2. Regulatory and Compliance Standards
  - 5.5.3. Globalization and Industry Integration
  - 5.5.4. Sustainability and Environmental Regulations
  - 5.5.5. Industry Growth in Key Sectors
  - 5.5.6. Economic Factors
  - 5.5.7. Innovation and R&D
  - 5.5.8. Cybersecurity and Data Privacy

## **CHAPTER 6. GLOBAL TEST AND MEASUREMENT EQUIPMENT MARKET, BY OFFERING**

- 6.1. Introduction
  - 6.1.1. General Test and Measurement
  - 6.1.2. Mechanical Testing Equipment
  - 6.1.3. Service

## **CHAPTER 7. GLOBAL TEST AND MEASUREMENT EQUIPMENT MARKET, BY APPLICATION**

- 7.1. Introduction
  - 7.1.1. Battery Testing
  - 7.1.2. Wireless Communication Testing
  - 7.1.3. Electronic Testing
  - 7.1.4. Others

## **CHAPTER 8. GLOBAL TEST AND MEASUREMENT EQUIPMENT MARKET, BY END-USER**

- 8.1. Introduction
  - 8.1.1. Medical & Life Science
  - 8.1.2. Automotive
  - 8.1.3. Consumer Electronics
  - 8.1.4. Aerospace & Defense
  - 8.1.5. IT & Telecom
  - 8.1.6. Power Generation
  - 8.1.7. Others

## **CHAPTER 9. GLOBAL TEST AND MEASUREMENT EQUIPMENT MARKET, BY REGION**

### 9.1. Introduction

### 9.2. North America

9.2.1. North America: Market Size and Forecast, By Country, 2021 – 2034 (\$ Billion)

9.2.2. North America: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.2.3. North America: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.2.4. North America: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.2.5. US

9.2.5.1. US: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.2.5.2. US: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.2.5.3. US: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.2.6. Canada

9.2.6.1. Canada: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.2.6.2. Canada: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.2.6.3. Canada: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.2.7. Mexico

9.2.7.1. Mexico: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.2.7.2. Mexico: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.2.7.3. Mexico: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

### 9.3. Europe

9.3.1. Europe: Market Size and Forecast, By Country, 2021 – 2034 (\$ Billion)

9.3.2. Europe: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.3. Europe: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.4. Europe: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.5. U.K.

9.3.5.1. U.K.: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.5.2. U.K.: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.5.3. U.K.: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.6. Germany

9.3.6.1. Germany: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.6.2. Germany: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.6.3. Germany: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.7. France

9.3.7.1. France: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.7.2. France: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.7.3. France: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.8. Italy

9.3.8.1. Italy: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.8.2. Italy: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.8.3. Italy: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.9. Spain

9.3.9.1. Spain: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.9.2. Spain: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.9.3. Spain: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.10. BeNeLux

9.3.10.1. BeNeLux: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.10.2. BeNeLux: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.10.3. BeNeLux: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.11. Russia

9.3.11.1. Russia: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.11.2. Russia: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.11.3. Russia: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.3.12. Rest of Europe

9.3.12.1. Rest of Europe: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.3.12.2. Rest of Europe: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.3.12.3. Rest of Europe: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4. Asia Pacific

9.4.1. Asia Pacific: Market Size and Forecast, By Country, 2021 – 2034 (\$ Billion)

9.4.2. Asia Pacific: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.3. Asia Pacific: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.4. Asia Pacific: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.5. China

9.4.5.1. China: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.5.2. China: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.5.3. China: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.6. Japan

9.4.6.1. Japan: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.6.2. Japan: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.6.3. Japan: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.7. Australia

9.4.7.1. Australia: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.7.2. Australia: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.7.3. Australia: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.8. India

9.4.8.1. India: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.8.2. India: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.8.3. India: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.9. South Korea

9.4.9.1. South Korea: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.9.2. South Korea: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.9.3. South Korea: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.10. Indonesia

9.4.10.1. Indonesia: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.10.2. Indonesia: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.10.3. Indonesia: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.11. Malaysia

9.4.11.1. Malaysia: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.11.2. Malaysia: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.11.3. Malaysia: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.12. Thailand

9.4.12.1. Thailand: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.12.2. Thailand: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.12.3. Thailand: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.13. Philippines

9.4.13.1. Philippines: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.13.2. Philippines: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.13.3. Philippines: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.14. Singapore

9.4.14.1. Singapore: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.14.2. Singapore: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

9.4.14.3. Singapore: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.4.15. Rest of Asia Pacific

9.4.15.1. Rest of Asia Pacific: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)

9.4.15.2. Rest of Asia Pacific: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)

- 9.4.15.3. Rest of Asia Pacific: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)
- 9.5. South America
  - 9.5.1. South America: Market Size and Forecast, By Country, 2021 – 2034 (\$ Billion)
  - 9.5.2. South America: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
  - 9.5.3. South America: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
  - 9.5.4. South America: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)
  - 9.5.5. Brazil
    - 9.5.5.1. Brazil: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
    - 9.5.5.2. Brazil: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
    - 9.5.5.3. Brazil: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)
  - 9.5.6. Argentina
    - 9.5.6.1. Argentina: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
    - 9.5.6.2. Argentina: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
    - 9.5.6.3. Argentina: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)
  - 9.5.7. Rest of South America
    - 9.5.7.1. Rest of South America: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
    - 9.5.7.2. Rest of South America: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
    - 9.5.7.3. Rest of South America: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)
- 9.6. Middle East & Africa
  - 9.6.1. Middle East & Africa: Market Size and Forecast, By Country, 2021 – 2034 (\$ Billion)
  - 9.6.2. Middle East & Africa: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
  - 9.6.3. Middle East & Africa: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
  - 9.6.4. Middle East & Africa: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)
  - 9.6.5. Saudi Arabia
    - 9.6.5.1. Saudi Arabia: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
    - 9.6.5.2. Saudi Arabia: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
    - 9.6.5.3. Saudi Arabia: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)
  - 9.6.6. UAE

- 9.6.6.1. UAE: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
- 9.6.6.2. UAE: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
- 9.6.6.3. UAE: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.6.7. Egypt

- 9.6.7.1. Egypt: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
- 9.6.7.2. Egypt: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
- 9.6.7.3. Egypt: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.6.8. South Africa

- 9.6.8.1. South Africa: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
- 9.6.8.2. South Africa: Market Size and Forecast, By Application, 2021 – 2034 (\$

Billion)

- 9.6.8.3. South Africa: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

#### 9.6.9. Rest of Middle East & Africa

- 9.6.9.1. Rest of Middle East & Africa: Market Size and Forecast, By Offering, 2021 – 2034 (\$ Billion)
- 9.6.9.2. Rest of Middle East & Africa: Market Size and Forecast, By Application, 2021 – 2034 (\$ Billion)
- 9.6.9.3. Rest of Middle East & Africa: Market Size and Forecast, By End-User, 2021 – 2034 (\$ Billion)

## **CHAPTER 10. COMPETITIVE LANDSCAPE**

- 10.1. Competitor Benchmarking 2023
- 10.2. Market Share Analysis, 2022
- 10.3. Key Developments Analysis By Top 5 Companies
- 10.4. Market Share Acquisition Strategies: Analysis of Key Approaches Employed by Top Players

## **CHAPTER 11. COMPANY PROFILES**

- 11.1. Keysight Technologies
  - 11.1.1. Business Overview
  - 11.1.2. Financial Analysis
    - 11.1.2.1. Business Segment Revenue, 2023
    - 11.1.2.2. Geographic Revenue Mix, 2023
  - 11.1.3. Product Portfolio
  - 11.1.4. Recent Development and Strategies Adopted
  - 11.1.5. SWOT Analysis
- 11.2. Advantest Corporation

- 11.2.1. Business Overview
- 11.2.2. Financial Analysis
  - 11.2.2.1. Geographic Revenue Mix, 2023
- 11.2.3. Product Portfolio
- 11.2.4. Recent Development and Strategies Adopted
- 11.3. Teledyne
  - 11.3.1. Business Overview
  - 11.3.2. Financial Analysis
    - 11.3.2.1. Business Segment Revenue, 2023
    - 11.3.2.2. Geographic Revenue Mix, 2023
  - 11.3.3. Product Portfolio
  - 11.3.4. SWOT Analysis
- 11.4. Fluke Corporation
  - 11.4.1. Business Overview
  - 11.4.2. Product Portfolio
  - 11.4.3. SWOT Analysis
- 11.5. Shimadzu Corporation
  - 11.5.1. Business Overview
  - 11.5.2. Financial Analysis
    - 11.5.2.1. Business Segment Revenue, 2023
    - 11.5.2.2. Geographic Revenue Mix, 2023
  - 11.5.3. Product Portfolio
  - 11.5.4. SWOT Analysis
- 11.6. Rohde & Schwarz
  - 11.6.1. Business Overview
  - 11.6.2. Product Portfolio
  - 11.6.3. Recent Development and Strategies Adopted
- 11.7. Rigol Technologies
  - 11.7.1. Business Overview
  - 11.7.2. Product Portfolio
  - 11.7.3. Recent Development and Strategies Adopted
  - 11.7.4. SWOT Analysis
- 11.8. Texas Instruments
  - 11.8.1. Business Overview
  - 11.8.2. Financial Analysis
    - 11.8.2.1. Business Segment Revenue, 2023
    - 11.8.2.2. Geographic Revenue Mix, 2023
  - 11.8.3. Product Portfolio
  - 11.8.4. Recent Development and Strategies Adopted

## 11.9. VTI Instruments

11.9.1. Business Overview

11.9.2. Product Portfolio

11.9.3. SWOT Analysis

## 11.10. Pico Technology

11.10.1. Business Overview

11.10.2. Product Portfolio

11.10.3. Recent Development and Strategies Adopted

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