

# **Sensor Testing Market by Offering (Oscilloscope, Multimeter, Spectrum Analyzer, Signal Generator), Software, Sensor Type (Analog, Digital Sensors), Application (Automotive, Consumer Electronics, Aerospace, Healthcare, Industrial) - Global Forecast to 2028**

<https://marketpublishers.com/r/S014C6AA2A1BEN.html>

Date: September 2023

Pages: 236

Price: US\$ 4,950.00 (Single User License)

ID: S014C6AA2A1BEN

## **Abstracts**

The sensor testing market is estimated to be worth USD 1.8 billion in 2023 and is projected to reach USD 2.4 billion by 2028 at a CAGR of 6.1% during the forecast period. The growth of this market is attributed to the rising demand for sensor testing in emerging markets such as automotive, consumer electronics, healthcare, and manufacturing. The surge in safety-critical applications like autonomous vehicles and industrial automation intensifies the need for thorough testing of sensors to avert glitches and guarantee operational reliability. Technological advancements in sensor types and complexities necessitate specialized testing expertise and methodologies. Additionally, the market benefits from the continuous pursuit of innovation, globalization of trade, and heightened awareness of the role of accurate sensor data in optimizing efficiency, safety, and overall product quality.

“Software offering segment is expected to grow at the highest CAGR in sensor testing market during the forecast period.”

For sensor testing, a variety of software tools are employed based on specific requirements and testing objectives. These software applications, alongside others, play a vital role in sensor testing by enabling data acquisition, test automation, calibration, analysis, simulation, diagnostics, reporting, and documentation. They streamline the testing process, enhance data analysis, improve accuracy, and enable efficient

evaluation and characterization of sensor performance. The choice of software for sensor testing will depend on the specific sensors that need to be tested, as well as the desired level of accuracy and control.

“Aerospace application to hold the second largest share of sensor testing market in 2022.”

Sensor testing plays a critical role in aerospace applications, where precise and reliable sensor measurements are essential for ensuring the safety, performance, and efficiency of aircraft and spacecraft. In aerospace, a wide range of sensors are used to monitor various parameters such as altitude, airspeed, temperature, pressure, acceleration, and more. Sensor testing in aerospace involves rigorous and comprehensive procedures to validate the accuracy, reliability, and durability of these sensors. Aerospace sensor testing encompasses various processes to ensure accurate and reliable sensor performance in critical aerospace systems.

“North America to hold the second largest market share of sensor testing market in 2022.”

North America's sensor testing market is driven by several factors. Firstly, stringent regulations and quality standards in industries such as automotive and aerospace necessitate thorough testing of sensors to ensure compliance and safety. Secondly, the continuous advancements in sensor technologies, including the development of complex and sophisticated sensors, require specialized testing capabilities to validate their performance and reliability. Additionally, the increasing adoption of sensor-based technologies in areas like the Internet of Things (IoT), smart homes, and wearable devices further fuels the demand for sensor testing services.

The break-up of the profiles of primary participants:

By Company Type – Tier 1 – 45%, Tier 2 – 30%, and Tier 3 – 25%

By Designation – C-level Executives – 35%, Directors – 45%, and Others – 20%

By Region – North America - 30%, Europe – 25%, Asia Pacific – 35%, and the Rest of the World – 10%

Major players in the sensor testing market are TE Connectivity Ltd. (Switzerland),

National Instruments Corp. (US), Keysight Technologies, Inc. (US), Fluke Corporation (US), and Rohde & Schwarz GmbH & Co. KG (Germany).

## Research Coverage

The report segments the sensor testing market by offering, sensor type, application, and region. The report also comprehensively reviews drivers, restraints, opportunities, and challenges influencing market growth. The report also covers qualitative aspects in addition to the quantitative aspects of the market.

## Reasons to buy the report:

The report will help the market leaders/new entrants with information on the closest approximate revenues for the overall sensor testing market and related segments. This report will help stakeholders understand the competitive landscape and gain more insights to strengthen their position in the market and plan suitable go-to-market strategies. The report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, opportunities, and challenges.

## The report provides insights on the following pointers:

Analysis of key drivers (surging demand for sensors in hybrid and autonomous vehicles, growing technological advancements in sensor testing, rapid adoption of IoT and automation is driving the demand for accurate and reliable sensors is driving the market), restraints (high cost of sensor testing equipment, rapidly evolving sensor technologies are hindering the growth of the market), opportunities (growing demand for sensors in emerging markets such as automotive and consumer electronics, predictive maintenance to offer lucrative opportunities to market players in sensor testing market), and challenges (lack of common standardization, Need of calibrators in order to ensure accurate and reliable measurements) influencing the growth of the sensor testing market.

**Product Development/Innovation:** Detailed insights on upcoming technologies, research and development activities, and new product launches in the sensor testing market.

**Market Development:** Comprehensive information about lucrative markets – the report analyses the sensor testing market across varied regions.

**Market Diversification:** Exhaustive information about new products, untapped geographies, recent developments, and investments in the sensor testing market.

**Competitive Assessment:** In-depth assessment of market shares, growth strategies, and product offerings of leading players like TE Connectivity Ltd. (Switzerland), National Instruments Corp. (US), Keysight Technologies, Inc. (US), Fluke Corporation (US), Rohde & Schwarz GmbH & Co. KG (Germany).

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

#### 1.3 INCLUSIONS AND EXCLUSIONS

#### 1.4 STUDY SCOPE

##### 1.4.1 MARKETS COVERED

#### FIGURE 1 SENSOR TESTING MARKET SEGMENTATION

##### 1.4.2 REGIONAL SCOPE

##### 1.4.3 YEARS CONSIDERED

#### 1.5 CURRENCY CONSIDERED

#### 1.6 STAKEHOLDERS

#### 1.7 RECESSION IMPACT

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

#### FIGURE 2 SENSOR TESTING MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

###### 2.1.1.1 List of major secondary sources

###### 2.1.1.2 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

###### 2.1.2.1 Primary interview participants

###### 2.1.2.2 Breakdown of primaries

###### 2.1.2.3 Key data from primary sources

##### 2.1.3 SECONDARY AND PRIMARY RESEARCH

###### 2.1.3.1 Key industry insights

#### 2.2 MARKET SIZE ESTIMATION

##### 2.2.1 BOTTOM-UP APPROACH

###### 2.2.1.1 Estimation of market size using bottom-up approach (demand side)

#### FIGURE 3 SENSOR TESTING MARKET: BOTTOM-UP APPROACH

##### 2.2.2 TOP-DOWN APPROACH

###### 2.2.2.1 Estimation of market size using top-down approach (supply side)

#### FIGURE 4 SENSOR TESTING MARKET: TOP-DOWN APPROACH

#### FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH (SUPPLY-SIDE): REVENUE FROM HARDWARE/SOFTWARE PRODUCTS IN SENSOR TESTING MARKET

## 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

### FIGURE 6 DATA TRIANGULATION

## 2.4 RESEARCH ASSUMPTIONS

## 2.5 PARAMETERS CONSIDERED TO ANALYZE IMPACT OF RECESSION ON SENSOR TESTING MARKET

## 2.6 RESEARCH LIMITATIONS

## 2.7 RISK ASSESSMENT

## 3 EXECUTIVE SUMMARY

FIGURE 7 SENSOR TESTING MARKET SIZE, 2019-2028 (USD MILLION)

FIGURE 8 HARDWARE OFFERINGS ACCOUNTED FOR LARGER MARKET SHARE THAN SOFTWARE OFFERINGS IN 2022

FIGURE 9 ANALOG SEGMENT TO DOMINATE SENSOR TESTING MARKET, BY SENSOR TYPE, FROM 2023 TO 2028

FIGURE 10 CONSUMER ELECTRONICS SEGMENT CAPTURED LARGEST SHARE OF SENSOR TESTING MARKET, BY APPLICATION, IN 2022

FIGURE 11 ASIA PACIFIC HELD LARGEST MARKET SHARE IN 2022

## 4 PREMIUM INSIGHTS

### 4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN SENSOR TESTING MARKET

FIGURE 12 EMERGING SENSOR APPLICATIONS IN AUTOMOTIVE AND CONSUMER ELECTRONICS SECTORS TO OFFER LUCRATIVE OPPORTUNITIES FOR MARKET PLAYERS

### 4.2 SENSOR TESTING MARKET, BY SENSOR TYPE

FIGURE 13 ANALOG SENSORS TO DOMINATE SENSOR TESTING MARKET THROUGHOUT FORECAST PERIOD

### 4.3 SENSOR TESTING MARKET, BY APPLICATION

FIGURE 14 CONSUMER ELECTRONICS APPLICATIONS TO HOLD LARGEST SHARE OF SENSOR TESTING MARKET IN 2023

### 4.4 SENSOR TESTING MARKET, BY COUNTRY

FIGURE 15 CHINA TO REGISTER HIGHEST CAGR IN GLOBAL SENSOR TESTING MARKET DURING FORECAST PERIOD

## 5 MARKET OVERVIEW

### 5.1 INTRODUCTION

## 5.2 MARKET DYNAMICS

### FIGURE 16 SENSOR TESTING MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

#### 5.2.1 DRIVERS

5.2.1.1 Surging use of sensors in hybrid and autonomous vehicles

5.2.1.2 Rising adoption of IoT and automation technologies

### FIGURE 17 SENSOR TESTING MARKET: IMPACT ANALYSIS OF DRIVERS

#### 5.2.2 RESTRAINTS

5.2.2.1 High cost of sensor testing equipment

5.2.2.2 Rapidly evolving sensor technologies

### FIGURE 18 SENSOR TESTING MARKET: IMPACT ANALYSIS OF RESTRAINTS

#### 5.2.3 OPPORTUNITIES

5.2.3.1 Emerging sensor applications in automotive and consumer electronics sectors

5.2.3.2 Rising adoption of predictive maintenance techniques by manufacturing firms

### FIGURE 19 SENSOR TESTING MARKET: IMPACT ANALYSIS OF OPPORTUNITIES

#### 5.2.4 CHALLENGES

5.2.4.1 Lack of common testing standards

5.2.4.2 Difficulties in calibrating sensors under varied environmental conditions

### FIGURE 20 SENSOR TESTING MARKET: IMPACT ANALYSIS OF CHALLENGES

## 5.3 SUPPLY CHAIN ANALYSIS

### FIGURE 21 SENSOR TESTING MARKET: SUPPLY CHAIN ANALYSIS

## 5.4 ECOSYSTEM MAPPING

### TABLE 1 ROLE OF PARTICIPANTS IN SENSOR TESTING ECOSYSTEM

### FIGURE 22 KEY PLAYERS IN SENSOR TESTING ECOSYSTEM

## 5.5 PRICING ANALYSIS

#### 5.5.1 AVERAGE SELLING PRICE (ASP) TREND

### TABLE 2 ASP OF SENSOR TESTING EQUIPMENT, 2022 (USD)

### TABLE 3 AVERAGE SELLING PRICE OF OSCILLOSCOPES, BY REGION

### FIGURE 23 AVERAGE SELLING PRICE OF SENSOR TESTING EQUIPMENT, 2019-2028

#### 5.5.2 PRICING ANALYSIS OF SENSOR TESTING EQUIPMENT OFFERED BY KEY PLAYERS

### FIGURE 24 AVERAGE SELLING PRICE OF SENSOR TESTING EQUIPMENT PROVIDED BY KEY PLAYERS

### TABLE 4 AVERAGE SELLING PRICE OF TOP 3 PRODUCTS PROVIDED BY TOP 3 PLAYERS (USD)

## 5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

### FIGURE 25 REVENUE SHIFT AND NEW REVENUE POCKETS FOR PLAYERS IN SENSOR TESTING ECOSYSTEM



## 5.7 TECHNOLOGY ANALYSIS

### 5.7.1 NON-DESTRUCTIVE TESTING

### 5.7.2 PREDICTIVE ANALYTICS

### 5.7.3 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

### 5.7.4 IOT

## 5.8 PORTER'S FIVE FORCES ANALYSIS

FIGURE 26 SENSOR TESTING MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 5 SENSOR TESTING MARKET: PORTER'S FIVE FORCES ANALYSIS

## 5.9 KEY STAKEHOLDERS AND BUYING CRITERIA

### 5.9.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 27 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS

TABLE 6 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS (%)

### 5.9.2 BUYING CRITERIA

FIGURE 28 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS

TABLE 7 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS

## 5.10 CASE STUDY ANALYSIS

TABLE 8 SAMSUNG FOUNDRY ADOPTS KEYSIGHT TECHNOLOGIES' NOISE ANALYZER TO MEASURE LOW-FREQUENCY NOISE OF SEMICONDUCTOR DEVICES

TABLE 9 ON SEMICONDUCTOR CORPORATION RELEASES ATE SOLUTION TO REDUCE IMAGE SENSOR TESTING TIME

## 5.11 TRADE ANALYSIS

### 5.11.1 IMPORT SCENARIO

FIGURE 29 IMPORT DATA FOR KEY COUNTRIES, 2017?2021 (USD MILLION)

### 5.11.2 EXPORT SCENARIO

FIGURE 30 EXPORT DATA FOR KEY COUNTRIES, 2017?2021 (USD MILLION)

## 5.12 PATENT ANALYSIS

FIGURE 31 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS IN LAST 10 YEARS

TABLE 10 TOP 20 PATENT OWNERS IN LAST 10 YEARS

FIGURE 32 NUMBER OF PATENTS GRANTED PER YEAR FROM 2013 TO 2022

TABLE 11 LIST OF PATENTS RELATED TO SENSOR TESTING MARKET

## 5.13 KEY CONFERENCES AND EVENTS, 2023–2024

TABLE 12 SENSOR TESTING MARKET: CONFERENCES AND EVENTS

## 5.14 REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS



TABLE 13 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 16 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.14.2 STANDARDS AND REGULATIONS

TABLE 17 STANDARDS FOR SENSOR TESTING

## **6 SENSOR TESTING METHODS**

6.1 INTRODUCTION

6.2 VISUAL INSPECTION

6.2.1 PHYSICAL INSPECTION

6.2.2 CONNECTION AND ASSEMBLY VERIFICATION

6.2.3 LABELING AND PACKAGING

6.3 FUNCTIONAL TESTING

6.3.1 RESPONSE TIME TESTING

6.3.2 SENSITIVITY TESTING

6.3.3 SIGNAL CONDITIONING TESTING

6.4 CALIBRATION TESTING

6.4.1 COMPARISON CALIBRATION

6.4.2 SOFTWARE-BASED CALIBRATION

6.4.3 CALIBRATION SOFTWARE AND DATA MANAGEMENT

6.5 ENVIRONMENTAL TESTING

6.5.1 TEMPERATURE TESTING

6.5.2 HUMIDITY TESTING

6.5.3 VIBRATION TESTING

6.5.4 EMI/EMC TESTING

6.6 PERFORMANCE TESTING

6.6.1 ACCURACY TESTING

6.6.2 SENSITIVITY TESTING

6.6.3 LINEARITY TESTING

6.6.4 DYNAMIC RANGE TESTING

6.6.5 DRIFT TESTING

6.7 OTHER TESTING TECHNIQUES

6.7.1 COMPARISON TESTING

6.7.2 LIFE TESTING

6.7.3 DURABILITY TESTING

6.7.4 STABILITY TESTING

## **7 SENSOR TESTING MARKET, BY OFFERING**

7.1 INTRODUCTION

FIGURE 33 SENSOR TESTING MARKET, BY OFFERING

FIGURE 34 HARDWARE SEGMENT TO ACCOUNT FOR LARGER MARKET SHARE IN 2028

TABLE 18 SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 19 SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

7.2 HARDWARE

FIGURE 35 OSCILLOSCOPES TO HOLD LARGEST SHARE OF SENSOR TESTING MARKET FOR HARDWARE OFFERINGS IN 2023

TABLE 20 HARDWARE: SENSOR TESTING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 21 HARDWARE: SENSOR TESTING MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 22 HARDWARE: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 23 HARDWARE: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 24 HARDWARE: SENSOR TESTING MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 25 HARDWARE: SENSOR TESTING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.2.1 MULTIMETERS

7.2.1.1 Rising use of multimeters to measure electrical parameters in sensors to drive segmental growth

7.2.2 OSCILLOSCOPES

7.2.2.1 Growing adoption of oscilloscopes to visualize and analyze electrical signals to fuel segmental growth

7.2.3 SPECTRUM ANALYZERS

7.2.3.1 Increasing use of spectrum analyzers to analyze electromagnetic interference affecting sensor performance to drive market

7.2.4 SIGNAL GENERATORS

7.2.4.1 Surging demand for signal generators to test overall functionality of sensors to accelerate market growth

## 7.2.5 OTHER HARDWARE OFFERINGS

## 7.3 SOFTWARE

### 7.3.1 RISING NEED FOR EFFICIENT EVALUATION AND CHARACTERIZATION OF SENSOR PERFORMANCE TO BOOST SOFTWARE DEMAND

TABLE 26 SOFTWARE: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 27 SOFTWARE: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 28 SOFTWARE: SENSOR TESTING MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 29 SOFTWARE: SENSOR TESTING MARKET, BY REGION, 2023–2028 (USD MILLION)

## 8 SENSOR TESTING MARKET, BY SENSOR TYPE

### 8.1 INTRODUCTION

FIGURE 36 SENSOR TESTING MARKET, BY SENSOR TYPE

FIGURE 37 ANALOG TO ACCOUNT FOR LARGER MARKET SHARE THAN DIGITAL IN 2028

TABLE 30 SENSOR TESTING MARKET, BY SENSOR TYPE, 2019–2022 (USD MILLION)

TABLE 31 SENSOR TESTING MARKET, BY SENSOR TYPE, 2023–2028 (USD MILLION)

### 8.2 ANALOG

8.2.1 INCREASING USE OF ANALOG SENSORS TO CALIBRATE SENSOR PERFORMANCE ON ACCURACY, NOISE LEVELS, AND RESPONSE TIME TO DRIVE MARKET

#### 8.2.2 ACCELEROMETERS

#### 8.2.3 SOUND SENSORS

#### 8.2.4 PRESSURE SENSORS

#### 8.2.5 TEMPERATURE SENSORS

#### 8.2.6 LIGHT SENSORS

#### 8.2.7 HUMIDITY SENSORS

TABLE 32 ANALOG: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 33 ANALOG: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

### 8.3 DIGITAL

#### 8.3.1 GROWING IMPLEMENTATION OF DIGITAL SENSORS TO CONVERT

PHYSICAL QUANTITIES INTO DIGITAL SIGNALS TO FUEL SEGMENTAL GROWTH

8.3.2 LEVEL SENSORS

8.3.3 MAGNETIC SENSORS

8.3.4 PROXIMITY SENSORS

8.3.5 MOTION SENSORS

8.3.6 OPTICAL ENCODERS

TABLE 34 DIGITAL: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022  
(USD MILLION)

TABLE 35 DIGITAL: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028  
(USD MILLION)

## **9 SENSOR TESTING MARKET, BY APPLICATION**

### **9.1 INTRODUCTION**

FIGURE 38 SENSOR TESTING MARKET, BY APPLICATION

FIGURE 39 CONSUMER ELECTRONICS SEGMENT TO HOLD LARGEST SHARE OF  
SENSOR TESTING MARKET, BY APPLICATION, IN 2028

TABLE 36 SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD  
MILLION)

TABLE 37 SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD  
MILLION)

### **9.2 AUTOMOTIVE**

9.2.1 RISING DEMAND FOR SENSOR TESTING FROM SELF-DRIVING AND  
HYBRID CAR MANUFACTURERS TO SUPPORT MARKET GROWTH

TABLE 38 AUTOMOTIVE: SENSOR TESTING MARKET, BY OFFERING, 2019–2022  
(USD MILLION)

TABLE 39 AUTOMOTIVE: SENSOR TESTING MARKET, BY OFFERING, 2023–2028  
(USD MILLION)

TABLE 40 AUTOMOTIVE: SENSOR TESTING MARKET, BY SENSOR TYPE,  
2019–2022 (USD MILLION)

TABLE 41 AUTOMOTIVE: SENSOR TESTING MARKET, BY SENSOR TYPE,  
2023–2028 (USD MILLION)

TABLE 42 AUTOMOTIVE: SENSOR TESTING MARKET, BY REGION, 2019–2022  
(USD MILLION)

TABLE 43 AUTOMOTIVE: SENSOR TESTING MARKET, BY REGION, 2023–2028  
(USD MILLION)

### **9.3 CONSUMER ELECTRONICS**

9.3.1 GROWING ATTENTION OF CONSUMER ELECTRONICS COMPANIES ON  
INCREASING CREDIBILITY AND MARKET COMPETITIVENESS TO BOOST

## DEMAND FOR SENSOR TESTING EQUIPMENT

TABLE 44 CONSUMER ELECTRONICS: SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 45 CONSUMER ELECTRONICS: SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 46 CONSUMER ELECTRONICS: SENSOR TESTING MARKET, BY SENSOR TYPE, 2019–2022 (USD MILLION)

TABLE 47 CONSUMER ELECTRONICS: SENSOR TESTING MARKET, BY SENSOR TYPE, 2023–2028 (USD MILLION)

TABLE 48 CONSUMER ELECTRONICS: SENSOR TESTING MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 49 CONSUMER ELECTRONICS: SENSOR TESTING MARKET, BY REGION, 2023–2028 (USD MILLION)

### 9.4 AEROSPACE

9.4.1 INCREASING FOCUS ON OPTIMIZING PERFORMANCE, SAFETY, AND EFFICIENCY OF AEROSPACE SYSTEMS TO FOSTER ADOPTION OF SENSOR TESTING SERVICES

FIGURE 40 NORTH AMERICA TO CAPTURE LARGEST MARKET SHARE FOR AEROSPACE APPLICATIONS IN 2028

TABLE 50 AEROSPACE: SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 51 AEROSPACE: SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 52 AEROSPACE: SENSOR TESTING MARKET, BY SENSOR TYPE, 2019–2022 (USD MILLION)

TABLE 53 AEROSPACE: SENSOR TESTING MARKET, BY SENSOR TYPE, 2023–2028 (USD MILLION)

TABLE 54 AEROSPACE: SENSOR TESTING MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 55 AEROSPACE: SENSOR TESTING MARKET, BY REGION, 2023–2028 (USD MILLION)

### 9.5 HEALTHCARE

9.5.1 SURGING NEED FOR ACCURATE AND PRECISE MEDICAL DEVICES TO INCREASE DEMAND FOR SENSOR TESTING EQUIPMENT

TABLE 56 HEALTHCARE: SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 57 HEALTHCARE: SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 58 HEALTHCARE: SENSOR TESTING MARKET, BY SENSOR TYPE,

2019–2022 (USD MILLION)

TABLE 59 HEALTHCARE: SENSOR TESTING MARKET, BY SENSOR TYPE,  
2023–2028 (USD MILLION)

TABLE 60 HEALTHCARE: SENSOR TESTING MARKET, BY REGION, 2019–2022  
(USD MILLION)

TABLE 61 HEALTHCARE: SENSOR TESTING MARKET, BY REGION, 2023–2028  
(USD MILLION)

## 9.6 INDUSTRIAL

9.6.1 GROWING USE OF INDUSTRY 4.0 AND IIOT TECHNOLOGIES BY  
INDUSTRIAL PLAYERS TO ELEVATE DEMAND FOR SENSOR TESTING

TABLE 62 INDUSTRIAL: SENSOR TESTING MARKET, BY OFFERING, 2019–2022  
(USD MILLION)

TABLE 63 INDUSTRIAL: SENSOR TESTING MARKET, BY OFFERING, 2023–2028  
(USD MILLION)

TABLE 64 INDUSTRIAL: SENSOR TESTING MARKET, BY SENSOR TYPE,  
2019–2022 (USD MILLION)

TABLE 65 INDUSTRIAL: SENSOR TESTING MARKET, BY SENSOR TYPE,  
2023–2028 (USD MILLION)

TABLE 66 INDUSTRIAL: SENSOR TESTING MARKET, BY REGION, 2019–2022 (USD  
MILLION)

TABLE 67 INDUSTRIAL: SENSOR TESTING MARKET, BY REGION, 2023–2028 (USD  
MILLION)

## 9.7 OTHER APPLICATIONS

TABLE 68 OTHER APPLICATIONS: SENSOR TESTING MARKET, BY OFFERING,  
2019–2022 (USD MILLION)

TABLE 69 OTHER APPLICATIONS: SENSOR TESTING MARKET, BY OFFERING,  
2023–2028 (USD MILLION)

TABLE 70 OTHER APPLICATIONS: SENSOR TESTING MARKET, BY SENSOR  
TYPE, 2019–2022 (USD MILLION)

TABLE 71 OTHER APPLICATIONS: SENSOR TESTING MARKET, BY SENSOR  
TYPE, 2023–2028 (USD MILLION)

TABLE 72 OTHER APPLICATIONS: SENSOR TESTING MARKET, BY REGION,  
2019–2022 (USD MILLION)

TABLE 73 OTHER APPLICATIONS: SENSOR TESTING MARKET, BY REGION,  
2023–2028 (USD MILLION)

# 10 SENSOR TESTING MARKET, BY REGION

## 10.1 INTRODUCTION

*Sensor Testing Market by Offering (Oscilloscope, Multimeter, Spectrum Analyzer, Signal Generator), Software, S...*

FIGURE 41 CHINA TO REGISTER HIGHEST CAGR IN SENSOR TESTING MARKET FROM 2023 TO 2028

TABLE 74 SENSOR TESTING MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 75 SENSOR TESTING MARKET, BY REGION, 2023–2028 (USD MILLION)

## 10.2 NORTH AMERICA

### 10.2.1 NORTH AMERICA: RECESSION IMPACT

FIGURE 42 NORTH AMERICA: SNAPSHOT OF SENSOR TESTING MARKET

TABLE 76 NORTH AMERICA: SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 77 NORTH AMERICA: SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 78 NORTH AMERICA: SENSOR TESTING MARKET, BY SENSOR TYPE, 2019–2022 (USD MILLION)

TABLE 79 NORTH AMERICA: SENSOR TESTING MARKET, BY SENSOR TYPE, 2023–2028 (USD MILLION)

TABLE 80 NORTH AMERICA: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 81 NORTH AMERICA: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 82 NORTH AMERICA: SENSOR TESTING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 83 NORTH AMERICA: SENSOR TESTING MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

### 10.2.2 US

10.2.2.1 Increasing adoption of electric vehicles and smart grid systems to fuel market growth

### 10.2.3 CANADA

10.2.3.1 Rising focus on improving environmental sustainability to boost demand for sensor testing equipment

### 10.2.4 MEXICO

10.2.4.1 Growing manufacturing sector to create opportunities for sensor testing service providers

## 10.3 EUROPE

### 10.3.1 EUROPE: RECESSION IMPACT

FIGURE 43 EUROPE: SNAPSHOT OF SENSOR TESTING MARKET

TABLE 84 EUROPE: SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 85 EUROPE: SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)



TABLE 86 EUROPE: SENSOR TESTING MARKET, BY SENSOR TYPE, 2019–2022 (USD MILLION)

TABLE 87 EUROPE: SENSOR TESTING MARKET, BY SENSOR TYPE, 2023–2028 (USD MILLION)

TABLE 88 EUROPE: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 89 EUROPE: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 90 EUROPE: SENSOR TESTING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 91 EUROPE: SENSOR TESTING MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

#### 10.3.2 GERMANY

10.3.2.1 Booming automotive industry to drive market

#### 10.3.3 UK

10.3.3.1 Rising investments and innovations in sensor technologies to support market growth

#### 10.3.4 FRANCE

10.3.4.1 Thriving aerospace & defense sector to contribute to market growth

#### 10.3.5 REST OF EUROPE

### 10.4 ASIA PACIFIC

#### 10.4.1 ASIA PACIFIC: RECESSION IMPACT

FIGURE 44 ASIA PACIFIC: SNAPSHOT OF SENSOR TESTING MARKET

TABLE 92 ASIA PACIFIC: SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 93 ASIA PACIFIC: SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 94 ASIA PACIFIC: SENSOR TESTING MARKET, BY SENSOR TYPE, 2019–2022 (USD MILLION)

TABLE 95 ASIA PACIFIC: SENSOR TESTING MARKET, BY SENSOR TYPE, 2023–2028 (USD MILLION)

TABLE 96 ASIA PACIFIC: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 97 ASIA PACIFIC: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 98 ASIA PACIFIC: SENSOR TESTING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 99 ASIA PACIFIC: SENSOR TESTING MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

#### 10.4.2 CHINA

10.4.2.1 Smart city initiatives by government to boost adoption of sensor testing equipment

#### 10.4.3 JAPAN

10.4.3.1 Increasing FDIs in robotics and automation technologies to create opportunities for market players

#### 10.4.4 SOUTH KOREA

10.4.4.1 Rising investments in cutting-edge manufacturing technologies to contribute to market growth

#### 10.4.5 REST OF ASIA PACIFIC

### 10.5 REST OF THE WORLD (ROW)

#### 10.5.1 ROW: RECESSION IMPACT

TABLE 100 ROW: SENSOR TESTING MARKET, BY OFFERING, 2019–2022 (USD MILLION)

TABLE 101 ROW: SENSOR TESTING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 102 ROW: SENSOR TESTING MARKET, BY SENSOR TYPE, 2019–2022 (USD MILLION)

TABLE 103 ROW: SENSOR TESTING MARKET, BY SENSOR TYPE, 2023–2028 (USD MILLION)

TABLE 104 ROW: SENSOR TESTING MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 105 ROW: SENSOR TESTING MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 106 ROW: SENSOR TESTING MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 107 ROW: SENSOR TESTING MARKET, BY REGION, 2023–2028 (USD MILLION)

#### 10.5.2 SOUTH AMERICA

10.5.2.1 Heavy reliance of aerospace, energy, and healthcare sectors on advanced technologies to boost demand for sensor testing

#### 10.5.3 MIDDLE EAST & AFRICA

10.5.3.1 Growing manufacturing sector to support market growth

## 11 COMPETITIVE LANDSCAPE

### 11.1 OVERVIEW

### 11.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 108 OVERVIEW OF STRATEGIES FOLLOWED BY PLAYERS IN SENSOR

## TESTING MARKET

### 11.3 REVENUE ANALYSIS OF TOP COMPANIES

FIGURE 45 FIVE-YEAR REVENUE ANALYSIS OF TOP PLAYERS IN SENSOR TESTING MARKET

### 11.4 MARKET SHARE ANALYSIS

TABLE 109 SENSOR TESTING MARKET SHARE ANALYSIS, 2022

FIGURE 46 SENSOR TESTING MARKET: SHARE OF KEY PLAYERS

### 11.5 COMPANY EVALUATION MATRIX

#### 11.5.1 STARS

#### 11.5.2 EMERGING LEADERS

#### 11.5.3 PERVASIVE PLAYERS

#### 11.5.4 PARTICIPANTS

FIGURE 47 SENSOR TESTING MARKET (GLOBAL): COMPANY EVALUATION MATRIX, 2022

### 11.6 STARTUPS/SMES EVALUATION MATRIX

#### 11.6.1 PROGRESSIVE COMPANIES

#### 11.6.2 RESPONSIVE COMPANIES

#### 11.6.3 DYNAMIC COMPANIES

#### 11.6.4 STARTING BLOCKS

FIGURE 48 SENSOR TESTING MARKET (GLOBAL): STARTUPS/SMES EVALUATION MATRIX, 2022

### 11.7 SENSOR TESTING MARKET: COMPANY FOOTPRINT

TABLE 110 OVERALL COMPANY FOOTPRINT

TABLE 111 OFFERING: COMPANY FOOTPRINT

TABLE 112 APPLICATION: COMPANY FOOTPRINT

TABLE 113 REGION: COMPANY FOOTPRINT

### 11.8 COMPETITIVE BENCHMARKING

TABLE 114 SENSOR TESTING MARKET: LIST OF KEY STARTUPS/SMES

TABLE 115 SENSOR TESTING MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

### 11.9 COMPETITIVE SCENARIO

TABLE 116 SENSOR TESTING MARKET: PRODUCT LAUNCHES, 2021?2023

TABLE 117 SENSOR TESTING MARKET: DEALS, 2021?2023

TABLE 118 SENSOR TESTING MARKET: OTHERS, 2021?2023

## 12 COMPANY PROFILES

(Business overview, Products/Solutions/Services offered, Recent Developments, MNM view)\*

## 12.1 KEY PLAYERS

### 12.1.1 TE CONNECTIVITY LTD.

TABLE 119 TE CONNECTIVITY LTD.: COMPANY OVERVIEW

FIGURE 49 TE CONNECTIVITY LTD.: COMPANY SNAPSHOT

TABLE 120 TE CONNECTIVITY LTD.: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 121 TE CONNECTIVITY LTD.: DEALS

### 12.1.2 NATIONAL INSTRUMENTS CORP.

TABLE 122 NATIONAL INSTRUMENTS CORP.: COMPANY OVERVIEW

FIGURE 50 NATIONAL INSTRUMENTS CORP.: COMPANY SNAPSHOT

TABLE 123 NATIONAL INSTRUMENTS CORP.: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 124 NATIONAL INSTRUMENTS CORP.: PRODUCT LAUNCHES

TABLE 125 NATIONAL INSTRUMENTS CORP.: DEALS

### 12.1.3 KEYSIGHT TECHNOLOGIES, INC.

TABLE 126 KEYSIGHT TECHNOLOGIES, INC.: COMPANY OVERVIEW

FIGURE 51 KEYSIGHT TECHNOLOGIES, INC.: COMPANY SNAPSHOT

TABLE 127 KEYSIGHT TECHNOLOGIES, INC.: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 128 KEYSIGHT TECHNOLOGIES, INC.: PRODUCT LAUNCHES

TABLE 129 KEYSIGHT TECHNOLOGIES, INC.: DEALS

TABLE 130 KEYSIGHT TECHNOLOGIES, INC.: OTHERS

### 12.1.4 FLUKE CORPORATION

TABLE 131 FLUKE CORPORATION: COMPANY OVERVIEW

FIGURE 52 FORTIVE CORPORATION: COMPANY SNAPSHOT

TABLE 132 FLUKE CORPORATION: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 133 FLUKE CORPORATION: PRODUCT LAUNCHES

### 12.1.5 ROHDE & SCHWARZ GMBH & CO. KG

TABLE 134 ROHDE & SCHWARZ GMBH & CO. KG: COMPANY OVERVIEW

TABLE 135 ROHDE & SCHWARZ GMBH & CO. KG: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 136 ROHDE & SCHWARZ GMBH & CO. KG: PRODUCT LAUNCHES

TABLE 137 ROHDE & SCHWARZ GMBH & CO. KG: DEALS

### 12.1.6 TERADYNE INC.

TABLE 138 TERADYNE INC.: COMPANY OVERVIEW

FIGURE 53 TERADYNE INC.: COMPANY SNAPSHOT

TABLE 139 TERADYNE INC.: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 140 TERADYNE INC.: DEALS

### 12.1.7 OMEGA ENGINEERING, INC.

TABLE 141 OMEGA ENGINEERING, INC.: COMPANY OVERVIEW

TABLE 142 OMEGA ENGINEERING, INC.: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 143 OMEGA ENGINEERING, INC.: PRODUCT LAUNCHES

TABLE 144 OMEGA ENGINEERING, INC.: DEALS

#### 12.1.8 ADVANTEST CORPORATION

TABLE 145 ADVANTEST CORPORATION: COMPANY OVERVIEW

FIGURE 54 ADVANTEST CORPORATION: COMPANY SNAPSHOT

TABLE 146 ADVANTEST CORPORATION: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 147 ADVANTEST CORPORATION: PRODUCT LAUNCHES

TABLE 148 ADVANTEST CORPORATION: DEALS

#### 12.1.9 PEPPERL+FUCHS SE

TABLE 149 PEPPERL+FUCHS SE: COMPANY OVERVIEW

TABLE 150 PEPPERL+FUCHS SE: PRODUCTS OFFERED

TABLE 151 PEPPERL+FUCHS SE: PRODUCT LAUNCHES

TABLE 152 PEPPERL+FUCHS SE: DEALS

#### 12.1.10 ANRITSU CORPORATION

TABLE 153 ANRITSU CORPORATION: COMPANY OVERVIEW

FIGURE 55 ANRITSU CORPORATION: COMPANY SNAPSHOT

TABLE 154 ANRITSU CORPORATION: PRODUCT/SOLUTION/SERVICE OFFERINGS

TABLE 155 ANRITSU CORPORATION: PRODUCT LAUNCHES

TABLE 156 ANRITSU CORPORATION: DEALS

### 12.2 OTHER PLAYERS

#### 12.2.1 T?V RHEINLAND AG

TABLE 157 T?V RHEINLAND AG: COMPANY OVERVIEW

#### 12.2.2 VX INSTRUMENTS GMBH

TABLE 158 VX INSTRUMENTS GMBH: COMPANY OVERVIEW

#### 12.2.3 ELEMENT MATERIALS TECHNOLOGY

TABLE 159 ELEMENT MATERIALS TECHNOLOGY: COMPANY OVERVIEW

#### 12.2.4 ITM INTEGRATED TEST + MEASUREMENT

TABLE 160 ITM INTEGRATED TEST + MEASUREMENT: COMPANY OVERVIEW

#### 12.2.5 UL LLC

TABLE 161 UL LLC: COMPANY OVERVIEW

#### 12.2.6 UNI-TREND TECHNOLOGY (CHINA) CO., LTD.

TABLE 162 UNI-TREND TECHNOLOGY (CHINA) CO., LTD.: COMPANY OVERVIEW

#### 12.2.7 RIGOL TECHNOLOGIES, CO. LTD.

TABLE 163 RIGOL TECHNOLOGIES, CO. LTD.: COMPANY OVERVIEW

#### 12.2.8 AECO SRL

TABLE 164 AECO SRL: COMPANY OVERVIEW

12.2.9 U-THERM INTERNATIONAL (H.K.) LIMITED

TABLE 165 U-THERM INTERNATIONAL (H.K.) LIMITED: COMPANY OVERVIEW

12.2.10 BOSCH SENSORTEC GMBH

TABLE 166 BOSCH SENSORTEC GMBH: COMPANY OVERVIEW

12.2.11 HORIBA, LTD.

TABLE 167 HORIBA, LTD.: COMPANY OVERVIEW

12.2.12 B&K PRECISION CORPORATION

TABLE 168 B&K PRECISION CORPORATION: COMPANY OVERVIEW

12.2.13 MEASX GMBH & CO. KG

TABLE 169 MEASX GMBH & CO. KG: COMPANY OVERVIEW

12.2.14 TEKTRONIX, INC.

TABLE 170 TEKTRONIX, INC.: COMPANY OVERVIEW

12.2.15 H&B SENSORS LTD.

TABLE 171 H&B SENSORS LTD.: COMPANY OVERVIEW

\*Details on Business overview, Products/Solutions/Services offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

## **13 ADJACENT MARKET**

13.1 TEST AND MEASUREMENT EQUIPMENT MARKET

13.2 INTRODUCTION

FIGURE 56 INDUSTRIAL VERTICAL TO HOLD LARGEST SHARE OF TEST AND MEASUREMENT EQUIPMENT MARKET IN 2028

TABLE 172 TEST AND MEASUREMENT EQUIPMENT MARKET, BY VERTICAL, 2019–2022 (USD MILLION)

TABLE 173 TEST AND MEASUREMENT EQUIPMENT MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

13.3 AUTOMOTIVE & TRANSPORTATION

13.3.1 INTEGRATION OF ADVANCED ELECTRONIC SYSTEMS IN VEHICLES TO BOOST DEMAND FOR TEST AND MEASUREMENT EQUIPMENT

TABLE 174 AUTOMOTIVE & TRANSPORTATION: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 175 AUTOMOTIVE & TRANSPORTATION: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 176 AUTOMOTIVE & TRANSPORTATION: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2019–2022 (USD MILLION)

TABLE 177 AUTOMOTIVE & TRANSPORTATION: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)



TABLE 178 AUTOMOTIVE & TRANSPORTATION: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2019–2022 (USD MILLION)

TABLE 179 AUTOMOTIVE & TRANSPORTATION: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2023–2028 (USD MILLION)

#### 13.4 AEROSPACE & DEFENSE

13.4.1 SAFETY AND RELIABILITY CONCERNS IN AIR TRAFFIC CONTROL SYSTEMS TO INCREASE ADOPTION OF TEST AND MEASUREMENT EQUIPMENT

TABLE 180 AEROSPACE & DEFENSE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 181 AEROSPACE & DEFENSE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 182 AEROSPACE & DEFENSE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2019–2022 (USD MILLION)

TABLE 183 AEROSPACE & DEFENSE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

TABLE 184 AEROSPACE & DEFENSE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2019–2022 (USD MILLION)

TABLE 185 AEROSPACE & DEFENSE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2023–2028 (USD MILLION)

#### 13.5 IT & TELECOMMUNICATIONS

13.5.1 GROWING USE OF WIRELESS TECHNOLOGIES TO FUEL REQUIREMENT FOR TEST AND MEASUREMENT EQUIPMENT

TABLE 186 IT & TELECOMMUNICATIONS: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 187 IT & TELECOMMUNICATIONS: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 188 IT & TELECOMMUNICATIONS: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2019–2022 (USD MILLION)

TABLE 189 IT & TELECOMMUNICATIONS: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

TABLE 190 IT & TELECOMMUNICATIONS: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2019–2022 (USD MILLION)

TABLE 191 IT & TELECOMMUNICATIONS: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2023–2028 (USD MILLION)

#### 13.6 EDUCATION & GOVERNMENT

13.6.1 HIGH DEMAND FOR GENERAL-PURPOSE TEST EQUIPMENT FROM EDUCATION & GOVERNMENT VERTICAL TO SUPPORT MARKET GROWTH

TABLE 192 EDUCATION & GOVERNMENT: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2019–2022 (USD MILLION)



TABLE 193 EDUCATION & GOVERNMENT: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 194 EDUCATION & GOVERNMENT: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2019–2022 (USD MILLION)

TABLE 195 EDUCATION & GOVERNMENT: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

TABLE 196 EDUCATION & GOVERNMENT: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2019–2022 (USD MILLION)

TABLE 197 EDUCATION & GOVERNMENT: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2023–2028 (USD MILLION)

### 13.7 ELECTRONICS & SEMICONDUCTOR

13.7.1 RISING USE OF ADVANCED TECHNOLOGIES IN CONSUMER ELECTRONICS TO ACCELERATE NEED FOR TEST AND MEASUREMENT EQUIPMENT

TABLE 198 ELECTRONICS & SEMICONDUCTOR: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 199 ELECTRONICS & SEMICONDUCTOR: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 200 ELECTRONICS & SEMICONDUCTOR: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2019–2022 (USD MILLION)

TABLE 201 ELECTRONICS & SEMICONDUCTOR: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

TABLE 202 ELECTRONICS & SEMICONDUCTOR: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2019–2022 (USD MILLION)

TABLE 203 ELECTRONICS & SEMICONDUCTOR: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2023–2028 (USD MILLION)

### 13.8 INDUSTRIAL

13.8.1 INCREASING FOCUS ON MACHINE HEALTH MONITORING AND PREVENTIVE MAINTENANCE TO CONTRIBUTE TO MARKET GROWTH

TABLE 204 INDUSTRIAL: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 205 INDUSTRIAL: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 206 INDUSTRIAL: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2019–2022 (USD MILLION)

TABLE 207 INDUSTRIAL: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

TABLE 208 INDUSTRIAL: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2019–2022 (USD MILLION)

TABLE 209 INDUSTRIAL: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2023–2028 (USD MILLION)

#### 13.9 HEALTHCARE

13.9.1 SURGING NEED FOR EFFECTIVE AND PRECISE MEDICAL DEVICES TO INCREASE DEMAND FOR TEST AND MEASUREMENT EQUIPMENT

TABLE 210 HEALTHCARE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 211 HEALTHCARE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 212 HEALTHCARE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2019–2022 (USD MILLION)

TABLE 213 HEALTHCARE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY PRODUCT TYPE, 2023–2028 (USD MILLION)

TABLE 214 HEALTHCARE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2019–2022 (USD MILLION)

TABLE 215 HEALTHCARE: TEST AND MEASUREMENT EQUIPMENT MARKET, BY SERVICE TYPE, 2023–2028 (USD MILLION)

## 14 APPENDIX

14.1 INSIGHTS FROM INDUSTRY EXPERTS

14.2 DISCUSSION GUIDE

14.3 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.4 CUSTOMIZATION OPTIONS

14.5 RELATED REPORTS

14.6 AUTHOR DETAILS

## I would like to order

Product name: Sensor Testing Market by Offering (Oscilloscope, Multimeter, Spectrum Analyzer, Signal Generator), Software, Sensor Type (Analog, Digital Sensors), Application (Automotive, Consumer Electronics, Aerospace, Healthcare, Industrial) - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/S014C6AA2A1BEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S014C6AA2A1BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970