

India Test and Measurement Equipment Market, By Product Type (General Purpose Test Equipment and Mechanical Test Equipment), By Service Type (Repair Services/After Sales Services and Calibration Services), By Type (Non Destructive Testing and Destructive) By End User (Automotive and Transportation, Aerospace and Defense, IT and Telecommunications, Semiconductor and Electronics, Industrial, Healthcare, Education), By Instrumentation Type (Data Acquisition, Active Probes, Scales & Weight, Laser Distance Measurement, Field Instrumentation, Lab Instrumentation and Spectroscopy), By Region, Competition Forecast & Opportunities, 2018-2028

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Abstracts

India Test and Measurement Equipment Market was valued at USD390.77 million in 2022 and is anticipated to project robust growth in the forecast period with a CAGR of 4.33%.

Test and Measurement Equipment comprises tools, gauges, instruments, devices, and systems which are used to inspect, test, calibrate, and measure numerous mechanical parameters. The test and measurement equipment are used across a wide variety of fields that includes electronics, research labs, material analysis, manufacturing, and

particle analysis along with the particle analysis testing that includes particle counters, size analyzers, shape analyzers, surface energy analyzers, and zeta potential analyzers. Many different fields require test and measurement equipment. Test and measurement equipment is used in electronics, research labs, material analysis, manufacturing, and particle analysis to measure the many components of the materials being used there,

Growing Consumption of Electronic Devices

The usage of electronic devices has increased in India under the Digital India program. All electronic devices and equipment must pass an authentication test before being sold on the market. The requirement for test and measurement equipment in electronic production facilities will increase as electrical and electronic devices are used more frequently. The use of testing and measurement equipment, which helps to notice any potential harm that can occur during the manufacturing process, improves the quality of the product and the brand value of the company using it. In this regard, it is anticipated that the market for test and measurement equipment in India would expand quickly throughout the forecast period.

Growing Demand for Safe and Quality Checked Home Appliances

Given the steadily expanding pace of data consumption, it is expected that consumer electronics sales would rise soon, which will likely lead to an increase in the market share for test and measurement equipment. Industrial expansion is being supported by improvements in residential technology. To fit the straightforward lives of tech-savvy clients, manufacturers are constantly developing and improving smart home appliances. Additionally, businesses have been developing cutting-edge components and sophisticated automation for smart homes. Due to the significant expenditures connected with technological improvements, which might lead to increased overall product costs, household appliances now require safety and testing. Thus, it influences the India test and measurement equipment market.

Rising 5G Technology for Gadgets

As electronic goods continue to reduce in size, test and measurement equipment are getting increasingly compact and user-friendly. The measuring times are reduced, and the results are more precise. New technologies such as 5G, IoT, M2M, and others are being evaluated using the most modern T&M equipment. On the interior, modern T&M equipment is more intelligent, making the measuring procedure simple and rapid. Many

T&M instruments are supported by both heritage and current technology, making them less expensive. Many T&M devices support both traditional and cutting-edge technologies in a single unit. These instruments also offer USB, LAN, and Bluetooth interfaces, which make data exchange and transfer easier and faster.

Adoption of IoT and ML in Testing Devices

Adoption of cutting-edge digital technology from the present, such as semiconductor device manufacturing volume, machine learning (ML), or even the Internet of Things (IoT). Further advancement in this area is probably one of the most crucial factors determining the main trends and changes in the test and measurement equipment market during the projected year. India is progressing as a result of the effective access to real-time work monitoring provided by cutting-edge solutions like Artificial Intelligence (AI). The Indian government has begun several projects after realizing the importance of the shift to a digital economy. The manufacturing sector and the digital economy have seen significant government investment, and programs like 'Make in India' are successfully supporting the growth of several industrial firms in the area, which promotes the use of cutting-edge technologies. As a result, it is anticipated that the test and measurement equipment market in India will grow.

Market Segmentation

The India test and measurement equipment market is divided into product type, service type, end-user, instrumentation type, type, region, and competitive landscape. Based on product type, the market is divided into general-purpose test equipment and mechanical test equipment. Based on service type, the market is segmented into repair services/after-sales services and calibration services. Based on end users, the market is segmented into automotive and transportation, aerospace, and defense, IT and telecommunications, semiconductor and electronics industrial, healthcare, and education. Based on instrumentation type, the market is segmented into data acquisition, active probes, scales & weight, laser distance measurement, field instrumentation, and lab instrumentation and spectroscopy. Based on type, the market is segmented into nondestructive testing, and destructive.

Market Players

Major market players in the India Test and Measurement Equipment Market are Keysight Technologies India Private Limited, Emirates Digital Wallet LLC (Klip), Ni Systems (India) Private Limited, Yokogawa India Limited, Anritsu India Private Limited,

Fortive India Private Limited, Viavi Solutions India Private Limited, Advantest India Private Limited, Texas Instruments (India) Private Limited, EXFO Electro-Optical Engineering India Private Limited, and Endress + Hauser (India) Private Limited.

Report Scope:

In this report, the India Test and Measurement Equipment Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Test and Measurement Equipment Market, By Product Type:

General Purpose Test Equipment

Mechanical Test Equipment

India Test and Measurement Equipment Market, By Service Type:

Repair Services/After Sales Services

Calibration Services

India Test and Measurement Equipment Market, By End User:

Automotive and Transportation

Aerospace and Defense

IT and Telecommunications

Semiconductor and Electronics

Industrial

Healthcare

Education

India Test and Measurement Equipment Market, By Instrumentation Type:

Data Acquisition

Active Probes

Scales & Weight

Laser Distance Measurement

Field Instrumentation

Lab Instrumentation

Spectroscopy

India Test and Measurement Equipment Market, By Type:

Non -Destructive testing

Destructive

India Test and Measurement Equipment Market, By Region:

South

North

West

East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Test and Measurement Equipment Market.

Available Customizations:

Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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