

Power Device Analyzer Market Evaluation Worth \$616.79 Million by 2030

Global Power Device Analyzer Market
projected to grow at a CAGR of 4.3% from
2022 to 2030

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According to a new report published by Allied Market Research, the global [power device analyzer market](#) size was valued at \$423.25 million in 2021 and is estimated to reach \$616.79 million by 2030, growing at a CAGR of 4.3% from 2022 to 2030.



Power device analyzer markets are highly used in medical, electrical & electronics, and other industries. In addition, rapid expansion of healthcare industry across the globe may act as the major driving factor for the growth of the market.



Expansion of electric vehicle by replacing fossil fuels in transport sector and increasing focus on energy saving are the major driving factors of power device analyser market."

Allied Market Research

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Asia-Pacific registered the highest power device analyzer market share and is projected to maintain the same during the forecast period.

The key players operating and profiled in the [global power](#)

[device analyzer industry](#) report include Arbiter Systems, CARLO GAVAZZI HOLDING AG Ltd., Circutor (Spain), Delta Electronics, Dewesoft D O O, Hioki E E Corporation (Japan), Iwatsu Electric (Japan), Keysight Technologies, Rohde & Schwarz (Germany), and Texas Instruments (U.S.).

Rise in demand for Power device analyzer market in electronic industry is expected to provide growth opportunity for the market.

Power analyzers can be used to measure the flow of energy in either alternating current (AC) or direct current (DC) systems – with distinct considerations for measuring AC circuits.

The determination of an electrical signal's true RMS (root mean square) time period underlines each of the subsequent calculations performed by the measuring instrument.

This is complicated by AC measurements, where root mean square is typically expressed as an equivalent DC value. To accurately determine the true RMS of an AC waveform, an average must be calculated across the cycle of the AC frequency.

This is defined as the fundamental frequency of the circuit. Power analyzers can digitally detect frequency cycles to provide reliable RMS periods during power conversion.

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<https://bit.ly/3ZJhOEM>

Depending on type, the market is categorized into both AC & DC, AC, and DC. The both AC & DC segment emerged as the global leader in 2021 and is anticipated to be the largest markets during the forecast period.

On the basis of current, it is divided into below 1000A and above 1000A. The below 1000A segment emerged as the global leader in 2021 and is anticipated to be the largest markets during the forecast period.

By end user, it is classified into automotive, energy, telecommunication, consumer electronics & appliances, and medical. The automotive segment registered the highest market share and is projected to maintain the same during the forecast period.

Power analyzer detects the voltage and current of the system. Typical systems directly acquire individual voltages using voltage dividers, while a transformer is usually required to measure the current. This comprises a coil that measures the electrical field of a wire carrying a current, or a flux gate current transducer.

Impact of COVID-19

The COVID-19 pandemic has curtailed the movement of people and goods, across the globe, including in most of the regions in which production of [power device analyzer system](#) is on large scale. To limit the spread of COVID-19, a number of local, state, and national governments have imposed various restrictions on the conduct of business and travel, such as stay-at-home orders and quarantines that have led to a significant number of business slowdowns and closures.

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A power analyzer is used to measure the flow of power (w) in an electrical system. This refers to the rate of electrical transferal between a power source and a sink hence, the alternative expression of power is denoted as energy per second (J/s).

Trending Reports in Energy and Power Industry:

Power Device Analyzer Market

<https://www.prnewswire.co.uk/news-releases/power-device-analyzer-market-to-reach-616-79-mn-globally-by-2030-at-4-3-cagr-allied-market-research-839941068.html>

Wide Band Gap (WBG) Power Device Market

<https://www.globenewswire.com/news-release/2024/08/08/2926574/0/en/Wide-Band-Gap-WBG-Power-Device-Market-to-Reach-2-5-Billion-Globally-by-2033-at-10-9-CAGR-Allied-Market-Research.html>

Electronic Load Devices Market

<https://www.alliedmarketresearch.com/electronic-load-devices-market-A17404>

Electric Insulator Market

<https://www.alliedmarketresearch.com/electric-insulator-market-A09289>

Marine Signaling Devices Market

<https://www.alliedmarketresearch.com/marine-signaling-devices-market-A07829>

AC Drives Market

<https://www.alliedmarketresearch.com/ac-drives-market>

Variable Frequency Drive Market

<https://www.alliedmarketresearch.com/variable-frequency-drive-market-A31405>

DC Drives Market

<https://www.alliedmarketresearch.com/dc-drives-market>

Ring Main Unit (RMU) Market

<https://www.alliedmarketresearch.com/ring-main-unit-RMU-market>

Synchronous Motor Market

<https://www.alliedmarketresearch.com/synchronous-motor-market-A07616>

Electric Traction motor market

<https://www.alliedmarketresearch.com/electric-traction-motor-market-A08598>

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa

Allied Market Research

+1 800-792-5285

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