

Electroencephalography (EEG) And Electromyography (EMG) Equipment Market Report Provides Insights Into Market

*The Business Research Company's
Electroencephalography (EEG) And
Electromyography (EMG) Equipment
Global Market Report 2026 – Market Size
And Forecast 2026-2035*

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[electroencephalography \(EEG\) and electromyography \(EMG\) equipment market](#) is witnessing considerable momentum as demand for neurological diagnostic tools increases worldwide. With neurological disorders becoming more prevalent and healthcare systems expanding their diagnostic capabilities, this market is set for notable growth both now and in the coming years. Below is an in-depth look at the market size, key growth drivers, regional dynamics, and emerging trends shaping the future of EEG and EMG equipment.

Market Size and Growth Outlook for the [EEG and EMG Equipment Market](#)

The market for EEG and EMG equipment has shown robust growth recently, with its value rising significantly. From \$1.28 billion in 2025, it is projected to reach \$1.38 billion in 2026, representing a compound annual growth rate (CAGR) of 7.7%. This upward trend over recent years is largely due to the increased occurrence of neurological disorders, expanding neurodiagnostic services within hospitals, growth in neurology departments, and better availability of diagnostic technology. Additionally, conditions such as epilepsy and neuromuscular diseases have contributed to this demand surge.

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Looking ahead, the market is expected to expand further, reaching \$1.8 billion by 2030 with a CAGR of 6.9%. The forecasted growth is driven by several factors including the aging global population, heightened emphasis on early neurological diagnosis, and greater adoption of

home-based monitoring devices. The expansion of diagnostic and ambulatory centers and increasing healthcare investments in neurological care also support this growth. Key trends anticipated during this period include rising use of portable and wireless neurodiagnostic devices, demand for long-term neurological monitoring, greater application in neuromuscular disorder diagnosis, a shift towards ambulatory and home-based testing models, and preference for equipment offering high-resolution signal acquisition.

Understanding the Role of EEG and EMG Equipment in Neurological Diagnostics

EEG and EMG devices play a vital role in the diagnosis and monitoring of neurological and muscular conditions. EEG technology records the brain's electrical activity, helping clinicians evaluate brain function, while EMG measures the electrical signals generated by skeletal muscles, providing insight into muscle health and nerve function. These tools are essential in assessing diseases that affect the nervous system and muscular activity.

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Key Factors Contributing to Growth in the EEG and EMG Equipment Market

One of the primary forces driving market expansion is the rising prevalence of neurological disorders worldwide. These disorders, which affect the brain, spinal cord, and nerves, often cause impairments in cognitive and motor functions. With an aging global population, the incidence of age-related conditions such as Alzheimer's disease and Parkinson's disease is increasing. Enhanced diagnostic capabilities and greater public awareness of neurological health further contribute to the higher detection rates of these diseases. Moreover, modern lifestyle factors, including sedentary habits and environmental influences, are linked to conditions like stroke and multiple sclerosis. EEG and EMG technologies are crucial for accurate diagnosis, monitoring brain and muscle activity, and evaluating treatment responses. For instance, in April 2024, a report from the Alzheimer's Association highlighted that 6.5 million Americans aged 65 and older were living with Alzheimer's dementia in 2022, rising to 6.9 million in 2024, showcasing the growing need for diagnostic equipment in this space.

Regional Perspectives on the EEG and EMG Equipment Market

In 2025, North America accounted for the largest share of the EEG and EMG equipment market. The market report also provides detailed regional analysis covering Asia-Pacific, South East Asia, Western Europe, Eastern Europe, South America, the Middle East, and Africa. These insights reflect the global distribution of demand and highlight regions with significant growth potential in neurodiagnostic equipment adoption.

Our 2026 reports feature deeper market intelligence with market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables,

Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, and updated graphics and tables.

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