

# Global Electroencephalography Devices Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Electroencephalography Devices market size is expected to reach \$ 4192 million by 2032, rising at a market growth of 7.3% CAGR during the forecast period (2026-2032).

In 2025, global production of electroencephalography devices reached approximately 59.0 thousand units, based on an average market price of around US\$42,000 per unit. Industry gross profit margins generally ranged from 40% to 60%, reflecting value added from signal acquisition accuracy, multi-channel amplification, and advanced data processing capability. Global production capacity in 2025 was estimated at about 74.0 thousand units, indicating sufficient manufacturing capability to support expanding clinical and research demand.

Electroencephalography devices are medical diagnostic systems used to record and analyze electrical activity of the brain through electrodes placed on the scalp. They are widely applied in neurological diagnosis, monitoring, and research, enabling assessment of brain function, sleep disorders, epilepsy, and cognitive activity.

The industrial chain includes upstream electrodes, amplifiers, sensors, signal processors, data acquisition modules, and software platforms. The midstream focuses on device assembly, calibration, algorithm integration, and clinical validation.

Downstream applications mainly involve hospitals, neurology clinics, research institutions, sleep centers, and academic laboratories.

The electroencephalography device market is expanding steadily as demand grows for non-invasive neurological diagnostics and long-term brain monitoring. Growth is driven by rising prevalence of neurological disorders, increased use of EEG in sleep medicine and intensive care, and expanding applications in neuroscience research. Advances in digital signal processing, wearable EEG systems, and AI-assisted data interpretation are improving diagnostic efficiency and clinical usability. Healthcare providers increasingly value EEG systems that offer higher channel counts, portability, and

integration with hospital information systems. During 2026-2032, supported by aging populations, neurological disease awareness, and technological innovation, the electroencephalography device market is expected to maintain stable global growth. This report studies the global Electroencephalography Devices production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Electroencephalography Devices and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Electroencephalography Devices that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Electroencephalography Devices total production and demand, 2021-2032, (K Units)

Global Electroencephalography Devices total production value, 2021-2032, (USD Million)

Global Electroencephalography Devices production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Electroencephalography Devices consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Electroencephalography Devices domestic production, consumption, key domestic manufacturers and share

Global Electroencephalography Devices production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Electroencephalography Devices production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Electroencephalography Devices production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Electroencephalography Devices market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Cadwell Industries, Inc., Compumedics Limited, Elmiko Medical Sp.z oo, Koninklijke Philips NV, Medtronic plc, Natus Medical Incorporated, Neuroelectrics Barcelona, SLU, NeuroWave Systems, Inc, Nihon Kohden Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Electroencephalography Devices market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Electroencephalography Devices Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Electroencephalography Devices Market, Segmentation by Type:

Basic EEG Recording System

Automated EEG Analysis System

AI-Assisted EEG Diagnostic System

Global Electroencephalography Devices Market, Segmentation by Channel Configuration:

Routine EEG Device

High-Density EEG System

## Long-Term Monitoring EEG

### Global Electroencephalography Devices Market, Segmentation by Portability:

Fixed EEG System

Portable EEG Device

Wearable EEG System

### Global Electroencephalography Devices Market, Segmentation by Application:

Ambulatory Surgical Centers (ASCs)

Diagnostic Centers

Hospitals

Research Laboratories

Others

### **Companies Profiled:**

Cadwell Industries, Inc.

Compumedics Limited

Elmiko Medical Sp.z oo

Koninklijke Philips NV

Medtronic plc

Natus Medical Incorporated

Neuroelectrics Barcelona

SLU

NeuroWave Systems, Inc

Nihon Kohden Corporation

Philips Healthcare

Micromed S.p.A.

NCC Medical

**Key Questions Answered:**

1. How big is the global Electroencephalography Devices market?
2. What is the demand of the global Electroencephalography Devices market?
3. What is the year over year growth of the global Electroencephalography Devices market?
4. What is the production and production value of the global Electroencephalography Devices market?
5. Who are the key producers in the global Electroencephalography Devices market?
6. What are the growth factors driving the market demand?

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