EEG Machine Brochure – Neurology Solutions

CE-Certified & CDSCO-Approved EEG Systems for Clinical & Research Excellence

We provide advanced EEG systems designed for hospitals, neurology clinics, and research institutions. Our range includes high-channel video EEG systems, compact clinical models, and ultra-portable devices that ensure precision, reliability, and ease of use.

Comparison of Models

Features	Neuromax 32/64-Channel (Showcase)	Neurocompact 24-Channel	Necton Ultra-Portable
Type	Advanced Video EEG System	Compact Clinical EEG	Pocket-sized Portable EEG
Channels	32 (Expandable to 64)	24	24
Operation	PC-based with video integration	PC-based routine EEG	Portable handheld with software
Key Features	Brain Mapping, Epilepsy Monitoring, Sleep Studies, Long-Term Monitoring	Routine EEG, Compact Design, Cost-effective	Portable, ICU & Outdoor use, Quick setup
Power Supply	USB powered	USB powered	USB powered
Data Storage	Long-term storage with advanced reporting	Basic storage & export	Portable data storage
Use Case	Hospitals, Research Institutes, Medical Colleges	Clinics, Teaching Institutes	Bedside, Emergency & Field use

Neuromax 32-Channel EEG

The Neuromax 32-Channel EEG Machine is a CE-certified and CDSCO-approved diagnostic solution, trusted by leading hospitals and medical institutions. With advanced amplifiers, high-resolution recording, and video EEG integration, it is ideal for epilepsy monitoring, sleep studies, and research applications. Expandable to 64 channels, Neuromax ensures precision, scalability, and unmatched clinical reliability.
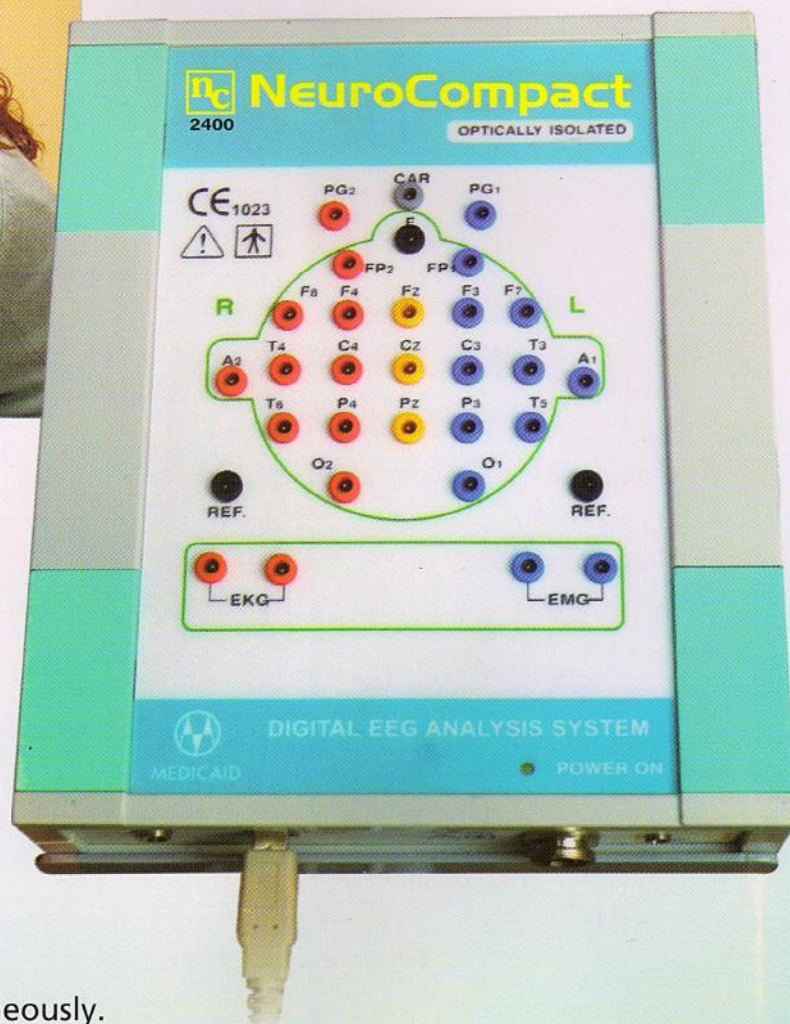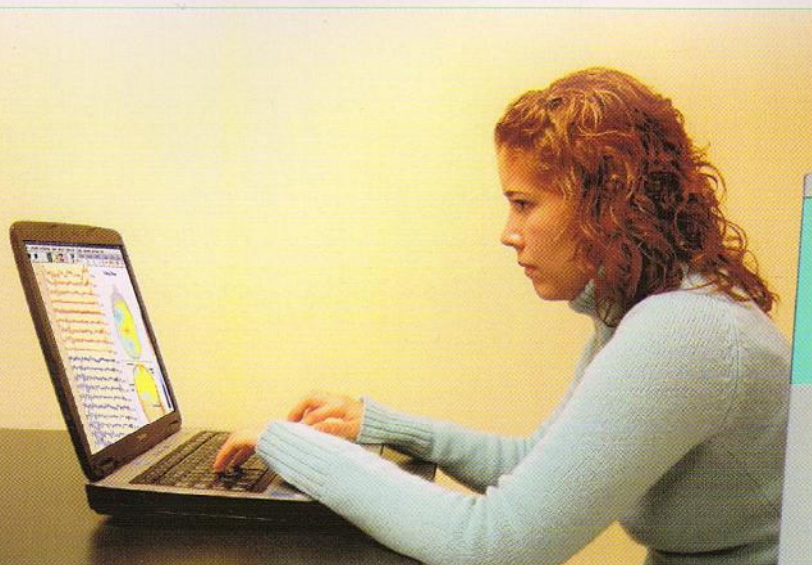
Accessories

- EEG Electrodes & Caps
- Video Integration Tools
- Amplifiers & USB Interface
- Patient Response Switches
- Software & Analysis Tools
- Carry Case for Portable Models

For detailed pricing & quotation, contact us at: rsenterprises227@gmail.com | +91 9832362661

NeuroCompact is the consistant further development of our paperless digital EEG device and represents a new generation of our digital system based on Windows XP.

Technical Specification

- Max. no. of Display Channels
  - NC - 2400   :   24 Channels
  - NC - 3200   :   32 Channels
- A/D Conversion   :   16 bit
- Sampling Rate   :   1024 Hz
- Sensitivity   :   1 to 1000 µv
- Low Pass Filter   :   0.1, 0.3, 1 & 5Hz
- High Pass Filter   :   15, 35, 70, 100 Hz
- Notch Filter   :   50/60 Hz on/off
- Sweep Speed   :   7.5, 15, 30 & 60 mm / sec
- Input Impedance   :   > 10 M ohm
- CMRR   :   > 100 db
- Noise Level   :   Less than 1µv
- Flash Rate   :   1 to 30 Hz Software Controlled
- Dimension   :   195 x 165 x 50 mm
- Weight   :   650 gms. **(without laptop)**

Standard Accessories

- Disc Electrodes   -   50 nos.
- EEG Paste   -   2 Jars.
- Ground Wire   -   1 No.
- Interface Cable   -   1 No.
- Photic Flash   -   1 No.
- Installation CD   -   1 No.
- Carry Bag   -   1 No.

Photic Flash   Installation CD

EEG Paste   EEG Electrodes

Interface Cable

Optional

High Resolution Camera for Video EEG
Model : NC-2400 V, NC-3200 V

Features

- Online, Offline reformatting of HLF, LLF, Sensitivity and number of Channels
- Split Screen facility to compare three montages simultaneously
- Montage diagram & Photic Marks on Printout
- Automatic Hyperventilation Timings
- Automatic AC Impedance check
- Brain Map of frequency, Spectral and voltage with Left/Right view
- Programmable Colour of each Channels
- Users Programmable Photic Sequences & Events
- Ultra fast automatic paging facility for efficient analysis
- Facility to zoom required portion of data
- Facility to write comments during review
- Facility to send data by e-mail
- Search bar facility to access to any part of data
- User defined protocol for acquisition
- Computerised calculation of Amplitude & Time
- Selected EEG data extraction
- Simultaneous acquisition and Analysis facility
- Facility to mark pages in review and print

Computer Hardware (Optional)

- Computer :   Core 2 Duo 2.93 GHz, 2 GB RAM
  - :   350 GB HDD or better
  - DVD Writer, Keyboard, Mouse
- Monitor   :   17" Colour Supporting 1024x768 mode
- Printer   :   Any Inkjet/Laser printer supporting windows.

Necton μ EEG

Ultra-port Advanced EEG Analysis

Directly connect to USB port, no external power supply required
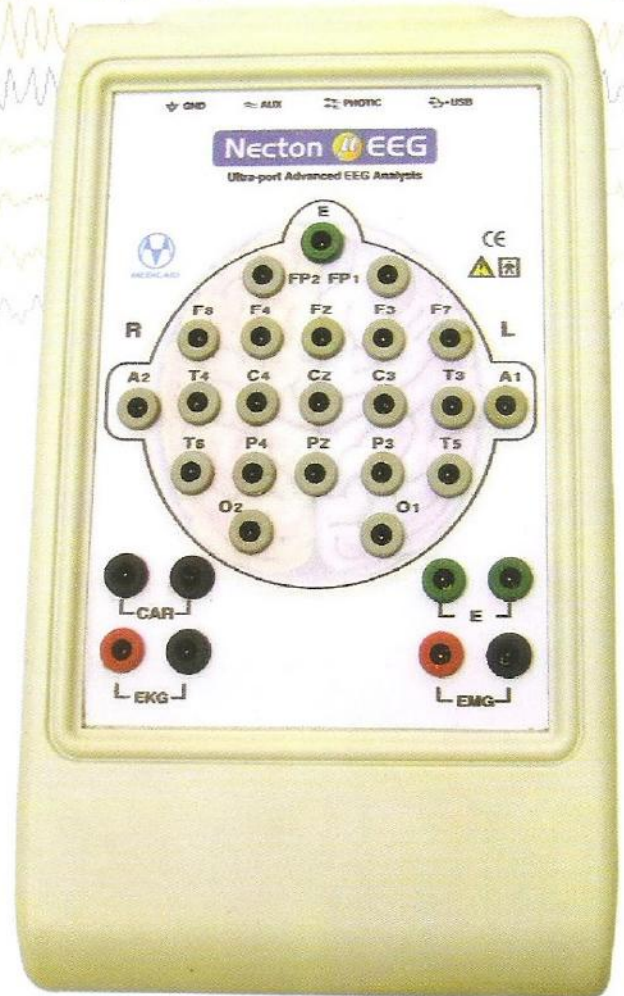
Features

- Easy laptop connectivity.
- Ideally suitable in ICU's.
- In-built word processor for reporting.
- Brain Mapping.
- Optically Isolated.
- Auto Spike Detection.
- Operating system Windows Based.
- Comparison of three montages simultaneously.
- Complete EEG transfer on CD & playback without additional software.
- Upgradable to Video EEG.

MEDICAID

CE

Serving Health..... Through Technology

Necton μ EEG is the consistent further development of our paperless digital EEG device and represents a new generation of our digital system based on Windows platform.

Features

Online, Offline reformatting of HLF, LLF, Sensitivity and number of Channels

Split Screen facility to compare three montages simultaneously

Montage diagram & Photic Marks on Printout

Automatic Hyperventilation Timings

Automatic AC Impedance check

Brain Map of frequency, Spectral and voltage with Left/Right view

Programmable Colour of each Channels

Users Programmable Photic Sequences & Events

Ultra fast automatic paging facility for efficient analysis

Facility to zoom required portion of data

Facility to write comments during review

Facility to send data by e-mail

Search bar facility to access to any part of data

User defined protocol for acquisition

Computerised calculation of Amplitude & Time

Selected EEG data extraction

Simultaneous acquisition and Analysis facility

Facility to mark pages in review and print

Technical Specification

- Channel : 24-32
- A/D Conversion : 16 bit
- Sampling Rate : 1024 Hz
- Sensitivity : 1 to 1000 μv
- Low Pass Filter : 0.1, 0.3, 1 & 5Hz
- High Pass Filter : 15, 35, 70, 100 Hz
- Notch Filter : 50/60 Hz on/off
- Sweep Speed : 7.5, 15, 30 & 60 mm / sec
- Input Impedance : > 10 M ohm
- CMRR : > 100 db
- Noise Level : Less than 1 μv
- Flash Rate : 1 to 30 Hz Software Controlled
- Dimension : L- 6.75 x W- 4.00 x H- 1.25 Inch
- Weight : 240 Gram

Laptop, Computer Hardware (Optional)

CPU : i3 Processor, 2 GB RAM, 500 GB HDD, DVD Writer, OS Window

Printer : Any Inkjet Printer supporting window

Optional : Laser Printer

Standard Accessories

- Disc Electrodes (Gold Plated) - 50 nos.
- EEG Paste - 2 Jars.
- Ground Wire - 1 No.
- Interface Cable - 1 No.
- Photic Flash - 1 No.
- Installation CD - 1 No.
- Carry Bag - 1 No.

Photic Flash

Installation CD

Conductive EEG Paste

Gold Plated EEG Electrodes

Interface Cable

Optional

High Resolution Camera for Video EEG

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Neuromax

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64 Channel window based Digital Video EEG and Long Term Monitoring Systems

Salient Features

- Facility to record/service upto 64 channels with montage bar (48 EEG, 8 Bipolar 2 EKG, 6 DC channels
- USB interface, no external power or battery required.
- Brain mapping with multiple options.
- Online/Offline split video
- Dual monitor option for video
- Various options for EEG scrolling
- Highly Synchronized EEG with audio & video frame rate of 30 frames/sec.
- Resolution independent user interface.
- Coherence, FFT Graph and tabular data.
- Simultaneous Analysis & Acquisition of EEG data.
- Facility to mark event and write comment in analysis mode.
- Complete EEG date transfer rom CD/DVD hard disc.
- Easy connectivity with Laptop/Desktop.
- Online impedance check with displays of numeric values of all electrodes.
- Online/offline reformatting of filters, low filters, sensitivity and sweep on channels.
- Use define photic stimulate protocols.
- Advanced graphic brain mapping with Spectral Array (CSA) & Density Spectral Array (DSA).
- Split screen facility to study any event/montage carefully during acquisition
- Auto backup of patient data for easy recovery
- Long distance modular amplifier design with flexibility and reliability.
- Remote control video tracking device.
- Day/night digital video canvas with high resolution zoom facility.
- Simultaneous analysis and recording.

Superior Performance..
Favourable Price.
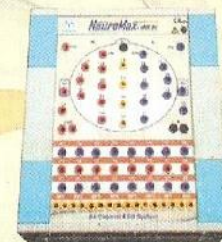
Neuromax

The one system that does it all! Starting with complete features of a 64-channel windows based video EEG system provides additional benefits of Spike Detection, useful data exchange networks, auto recording start/stop, advanced yet easy and flexible review... and much more.

Technical Specification

No. of display channel	:	64 Channel
A/D Conversion	:	16 bit
Sensitivity	:	(1, 2, 5, 7, 10, 15, 20, 30) mm/50mv & user definable
Low Filter	:	0.1, 0.3, 1, 5 Hz & user definable
High Filter	:	15, 30, 70, 100 Hz & user definable
Notch Filter	:	50/60 Hz on/off
Sweep Speed	:	7.5, 15, 30 & 60 mm/sec.
Input Impedance	:	>20m ohm
CMRR	:	>100 db
Noise level	:	<Less than $1\mu v$
Flash Rate	:	1 to 30 Hz
Power Supply	:	220V± 10% 50 Hz

Standard Accessories

Disc Electrodes (Gold Plated)	:	50 Nos.
EEG Paste	:	2 Jars.
Ground Wire	:	1 No.
USB Interface cable	:	1 No.
Photic Flash	:	1 No.
Paper Rim (A4 Size)	:	1 No.
Coloured Camera	:	1 No.
Electrode Board	:	1 No.
EEG Software backup CD	:	**1 No.**
EEG Trolly Optional	:	**1 No.**

Computer Hardware

Core to Duo, 1 GB RAM, 360 GB Hard Disc.

17" LCD TFT Colour Monitor, Key Board, Mouse

Laser Printer/Inkjet Printer optional

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