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

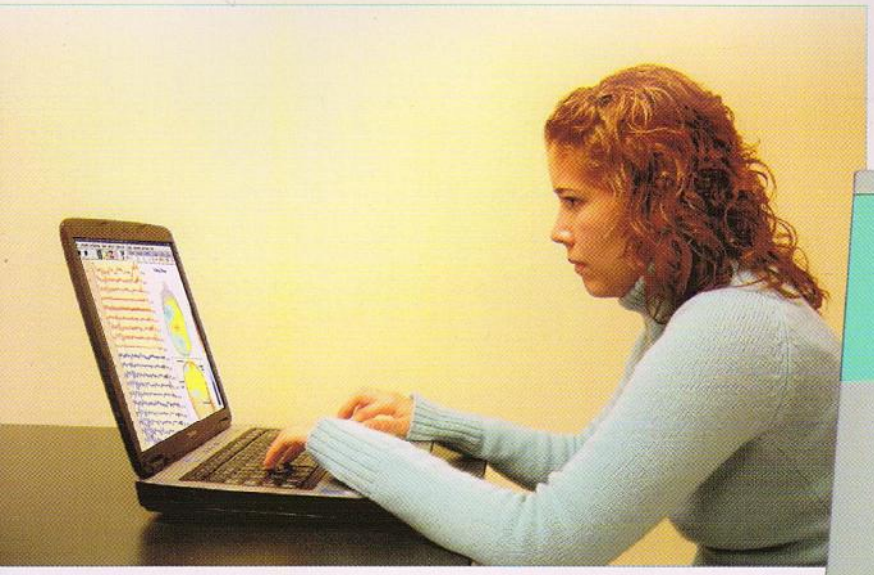
- **EEG Electrodes & Caps**
- **Video Integration Tools**
- **Amplifiers & USB Interface**
- **Patient Response Switches**
- **Software & Analysis Tools**
- **Carry Case for Portable Models**

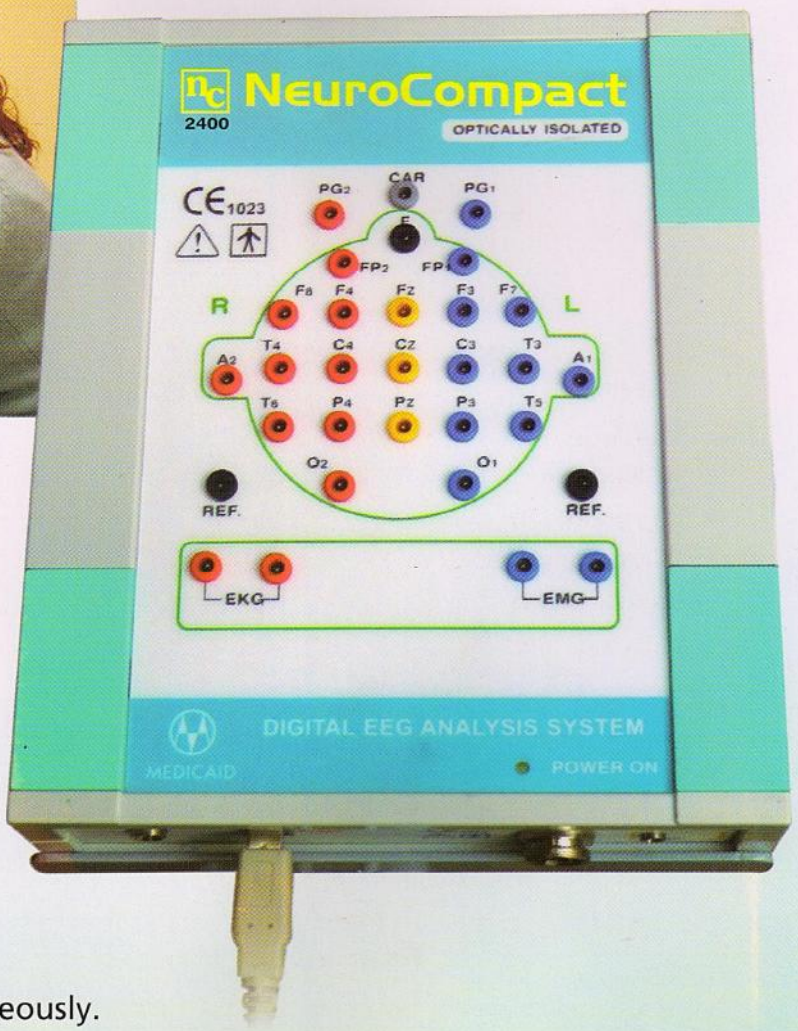
For detailed pricing & quotation, contact us at: rsenterprises227@gmail.com | +91 9832362661

NeuroCompact

Truly Portable Digital EEG

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 XP.
- Comparison of three montages simultaneously.
- Complete EEG transfer on CD & playback without additional software.
- Upgradable to Video EEG.

MEDICAID

An ISO 13485 : 2003 Company

CE 1023

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.

Medicaid's continuing product improvement programme make specification subject to change without notice.

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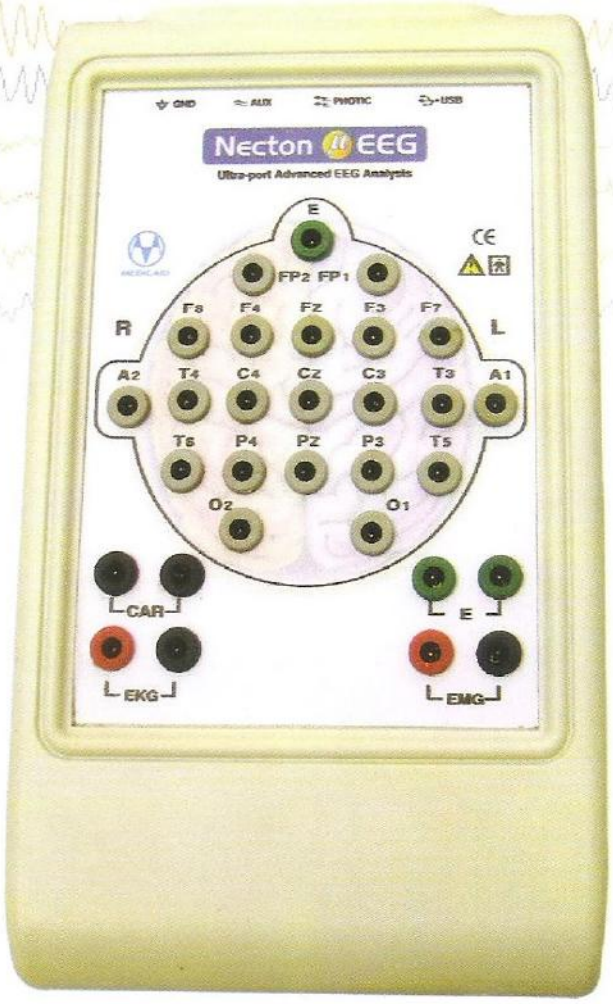
Necton μ EEG

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.

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CE

Serving Health..... Through Technology

Necton μEEG 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 1μv
• 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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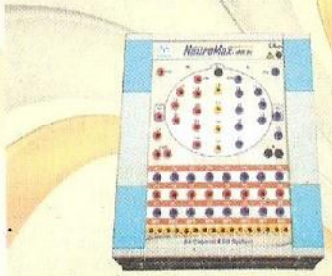
Neuromax

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

Superior Performance..
Favourable Price.

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.



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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 Iμv
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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