

EEG 32 - Technical Specifications

EEG 32	
EEG input channels	24
EKG input channel	2 (EKG)
Configurable input channels	3 (bipolar)
DC/External transducer inputs	3
Total Inputs	32
Low Filters	0.1, 0.3, 0.5, 1, 3, 5 Hz and user selectable (0-7 Hz), single Pole
High Filters	15, 35, 70 and user selectable (10-99), single Pole
Notch	Off, 50 / 60 Hz
Muscle rejection	On / Off, 30 Hz double Pole
Sensitivity	1-1000 μ V / mm and one user selectable value
A/D Conversion	16 bit in hardware
Sampling Rate	1024 Hz
Storage Rate	256 Hz
Resolution	0.153 μ V
Dynamic Range	10mV P-P
CMRR	> 100 dB (0.1-100 Hz)
Noise Level	< 0.3 μ V RMS
Input impedance	> 10 Mohm (0.1-100Hz)

General	
Connectivity to host PC	High speed USB
Export formats	PDF, MS Word, MS Excel & EDF
Safety	1.5 KV isolation
Dimension	210 X 150 X 56.5 mm
Weight	500 gm approx

POWER SUPPLY	
Power Supply Operation	USB powered
Power On indication	LED
MINIMUM PC/LAPTOP CONFIGURATION	
- OS:	Windows XP Pro/Windows7 Professional 32bit,
- Processor:	Core2Duo or higher,
- RAM:	2GB or higher,
- Harddisk:	40 GB or higher,
- CD/DVD Drive:	Optical Drive,
- Screen Resolution:	1024x768 or higher

Sensitivity/ LF/ HF/ Notch/ Muscle Rejection/ Montage implemented in software only for display/ printouts.

Standard Kit



Options



Product image may differ from the original product
 Manufactured by: **Mokshit Corporation,**
 "CHOPDA GROUP" G.E ROAD GANJPARA DURG (C.G) - 491001

ISO 13485,

ELECTROENCEPHALOGRAPH 32 CHANNEL EEG SYSTEM - USB POWERED



Model: CHANDA-99EM

- USB powered with plug-and-play facility
- Suitable for use in ICU, OT, Bedside recording or at Patient's Residence
- Artifact free recording in any environment
- Reports can be e-mailed or transferred across a network

Features:

- 32 channel full band simultaneous acquisition of raw data
- Data transmission through high speed USB 2.0
- Simultaneous data acquisition and analysis of same patient
- Unlimited online and offline montage and filter reformatting
- User programmable acquisition and photic sequences protocols
- Event marking with review and printing options
- Automatic paging facility for quick review and analysis
- Compressed Spectral Array (CSA) and Density Spectral Array (DSA)
- LED based photic stimulator reduces acoustic electrical interference
- Brain mapping color coding as per international standards
- User configurable multiple display and report format
- Online true AC Impedance check which displays numeric values of all electrode impedances
- Compatible with Laptop and PC
- Online or offline data transfer through Internet / Intranet
- EEG synchronous digital video capabilities make the exams more precise (optional)

REPORT GENERATION / EXPORT DATA OPTIONS

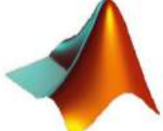
WORK FLOW SOLUTIONS



EDF



PDF



MATLAB



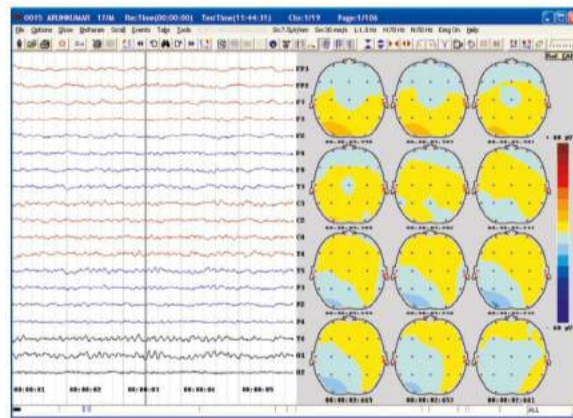
E-MAIL



AUTO-RUN
CD / DVD

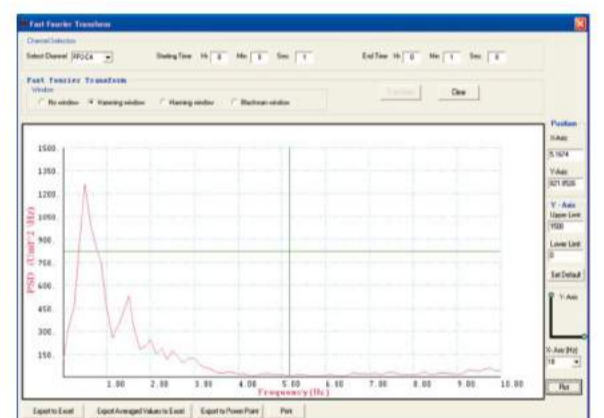


NETWORK
STORAGE



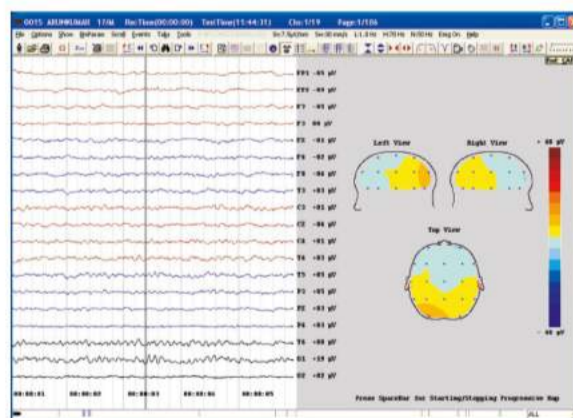
AMPLITUDE MAP

Amplitude progressive mapping of all the channels. Standard time series of 12 maps. Display voltage map of any time point by moving the cursor



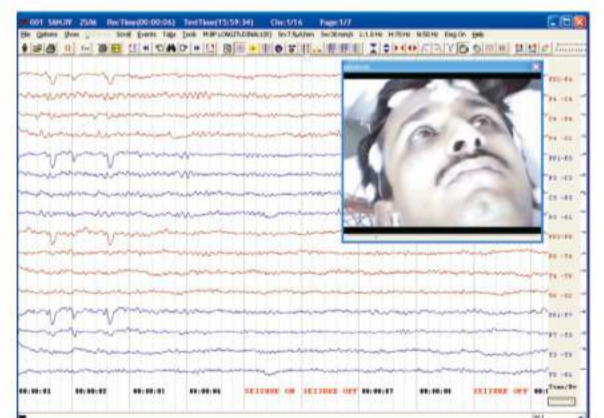
FFT

Fast Fourier Transform gives information about the area of activity and over activity of the EEG



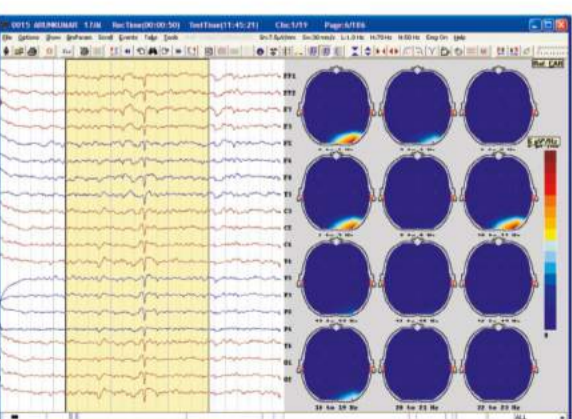
TRI MAP

Three standard view of voltage mapping from different prospective (left view, right view & top view)



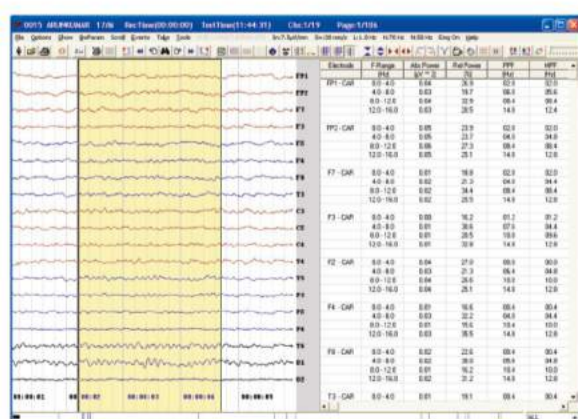
VIDEO RECORDING (optional)

MPEG-4 video provides crystal clear video recording precisely synchronised with patient data



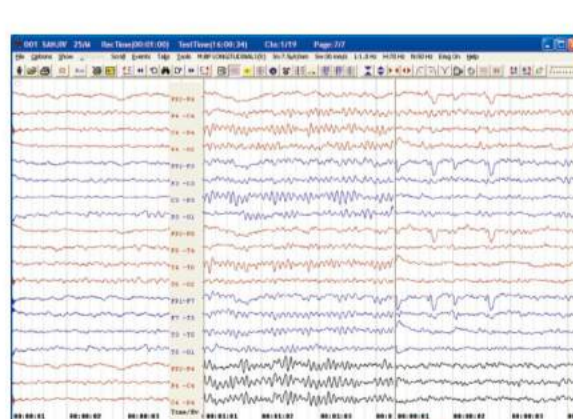
FREQUENCY MAP

Frequency progressive mapping of all the channels. Standard time series of 12 maps. Display frequency map of any time point by moving the cursor



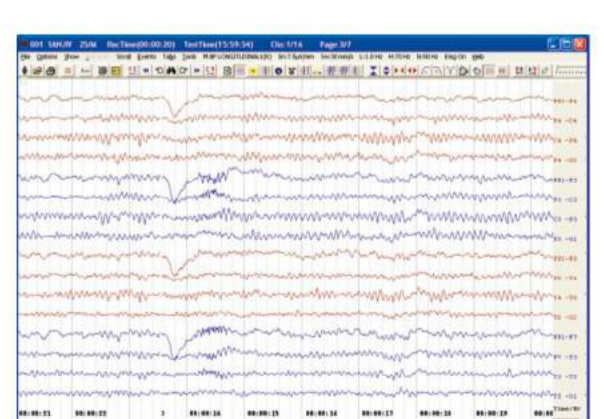
FREQUENCY TABULAR ANALYSIS

Tabular analysis of different frequencies for all the channels



SPLIT SCREEN

In analysis mode you can compare the data of same time or different times with individual selection of filters, sensitivity and montage etc.



FREEZE

Screen Freeze facility to study any event carefully during acquisition. Data keeps on going to hard disk