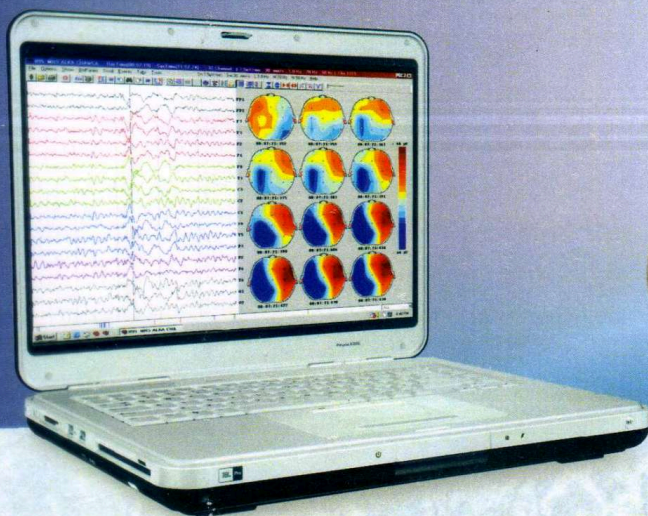




Maximus 32
ELECTROENCEPHALOGRAPH



32 CHANNEL EEG

Compact, Portable with USB Powered

Advanced 32 Channel EEG Machine

- Compact, Portable & Light Weight
- USB powered (no need for any line power source). Recording is free from any artifacts.
- Extremely Suitable for use in ICU's / OT's/ Bed side recording or at patient's residence.
- 1.5 KV isolation for patient safety.

Maximus 32

HEAD BOX AND THE ART OF EASY DATA ACQUISITION



The sheer superiority of the RMS Maximus 32 stems from its very own brain, its acquisition activity center - The Head Box.

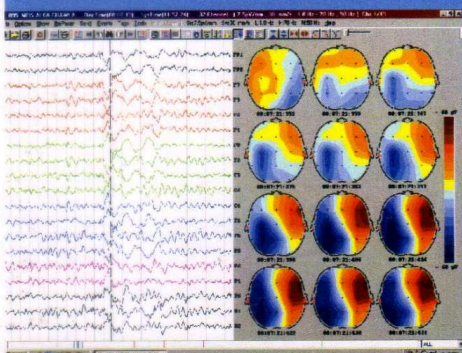
The challenge of revolutionising raw data acquisition, storage and analysis was taken up by the Research & Development team of RMS. And it bore fruit with the evolving of the state-of-the-art Head Box. This highly feature packed, yet very compact device, makes possible the acquisition of data in its natural authentic form, by minimising the noise pick-ups, for on-the-spot analysis or storage of data. Further, the total integration of the Analog and Digital processing in the compact Head Box gives excellent S/N performance.



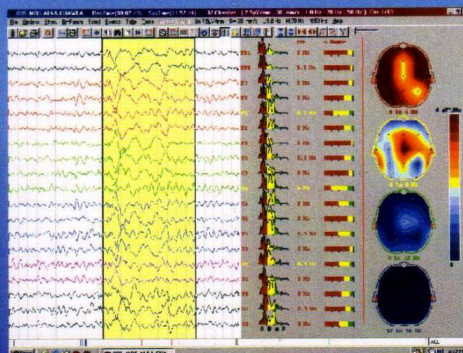
Portability Solution

Powerful Software

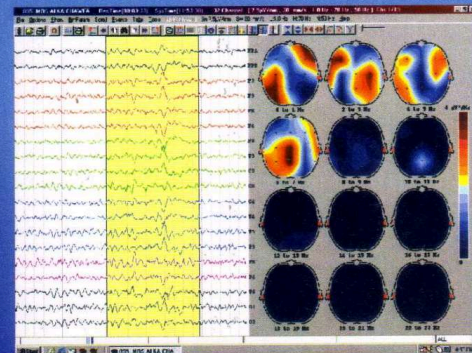
- Accurate Brain Mapping software
- Auto-run customized CD/ DVD generation
- On line & Offline montage and filter reformatting
- Online & Offline data transfer through Internet / Intranet



Brain Mapping



Brain Mapping



Brain Mapping

Great features for great performance

- Compatible with laptop PCs
- Up to 32 channels of EEG acquisition/Review (24 EEG channels, 5 Polygraph channels which also can be configured to EEG channels and 3 DC channels)
- LED Photoc flash
- Data transmission through high speed USB
- 1.5 KV isolation for patient safety
- Raw Data Storage, independent of any filters
- On-line true AC impedance check which displays numeric values of all electrode impedances
- On-line, Off-line reformatting of filters (HLF, LLF) sensitivity, sweep and number of channels
- Unlimited Montage reformatting
- User definable photic stimulator protocols
- Facility to mark pages/important events for printing in review
- Screen freeze facility to study any event carefully during acquisition. Data keeps on going to hard disk
- Simultaneous acquisition and analysis. One can analyse already acquired data of current patient
- Split screen facility in analysis to compare the data of same time or different times with individual selection of filters, sensitivity, montage etc.
- Ultra fast automatic paging facility for efficient Review/Analysis
- User definable comments for Doctors through hot keys
- Selectable page viewtime in automode (1 to 10 secs.) & user definable
- User definable protocols for acquisition
- User definable low and high filter
- Reporting in MS Word possible
- Facility to mark important events in Analysis
- Fast extensive search capabilities
- Advanced features in Brain Mapping
- Compressed Spectral Array (CSA)
- Density Spectral Array (DSA)
- High Resolution display
- Event based and complete periodic archiving (Can be copied on CD, Zip or floppy)
- Efficient data base management
- Events of the entire recording are available as colour coded bars on the screen
- On-line help

After Sales back up
The backbone of our success...



Maximus 32

Technical Specifications

Dedicated EEG inputs	24
Dedicated EKG	1 (bipolar)
Bipolar inputs Configurable as EEG also	4
DC/external Transducer inputs	3
Total inputs	32

A/D Conversion	16 bit in hardware
Sampling Rate	1024 Hz
Storage Rate	256 Hz
Resolution	< 0.3 μ V
Dynamic Range	10 mV P-P.
CMRR	>100 db (0.1 to 100 Hz)
Noise Level	< 0.3 μ V RMS
Input Impedance	> 10 Mohm (0.1 to 100 Hz)
Acquisition Method	Raw data with full sensitivity & full bandwidth.

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

Sensitivity	1 to 1000 μ V/mm and one user selectable value.
LF (Hz)	0.1, 0.3, 0.5, 1.0, 3.0, 5.0 Hz and user definable (0 to 7 Hz), Single Pole
HF (Hz)	15, 35, 70 and user definable (10-99), Single Pole
Notch	50/60 Hz, 4 Hz Stop band (Min 30 db)
Muscle Rej	ON/OFF, 30 Hz double Pole

Power Specification:
USB Operated

Size:
210x150x56.5mm

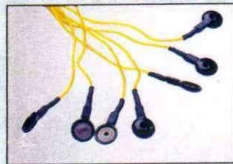
Weight:
500gm appr.
(without Laptop)

Standard Kit

Maximus EEG



Disc Electrodes



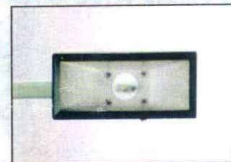
Traveling Bag



EEG Paste



Photic Flash



Optional

Electrode CAP



CCD Camera



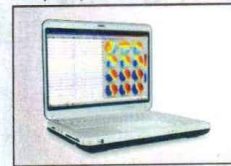
EEG Stand



Kondukt Paste



Laptop / Desktop



Since R&D is a continuous process, features & specifications are subject to change without notice.