



24/32 CHANNEL EEG
USB POWERED PORTABLE EEG SYSTEM

- Compact and light weight
- 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

Mallard Solution

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- 24 and 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)

RMS Maximus 24



EEG Exams

Anywhere, Any Time

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MAXIMUS - Technical Specifications

MAXIMUS 32

EEG input channels	24
EKG input channel	2 (EKG)
Configurable input channels	3 (bipolar)
DC/External transducer inputs	3
Total Inputs	32

MAXIMUS 24

EEG input channels	21
EKG input channel	1 (bipolar)
Configurable input channels	1 (bipolar)
DC/External transducer inputs	1
Total Inputs	24

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, 40 GB harddisk or higher, CD/DVD Optical Drive, Screen Resolution 1024x768 or higher

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

Standard Kit



Maximus EEG



Disc Electrodes



Traveling Bag



EEG Paste



Photoc Flash

Options



Electrode Cap



CCD Camera



EEG Stand



Kondukt Paste



Laptop / Desktop

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