Maximus
ELECTROENCEPHALOGRAPH



Portable EEG
with 24 and 32 Channel

- Compact, light weight operational panel
- 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

CE

Features

- 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
- LED based photic stimulator reduces acoustic electrical interference
- Online true AC Impedance check which displays numeric values of all electrode impedances
- Compatible with Laptop and PC
- EEG synchronous digital video capabilities make the exams more precise (optional)

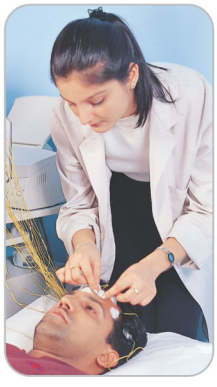


Upgradable to

Video EEG

- MPEG-4 video capturing
- RS 485 based PC controlled PTZ unit

RMS Maximus 24







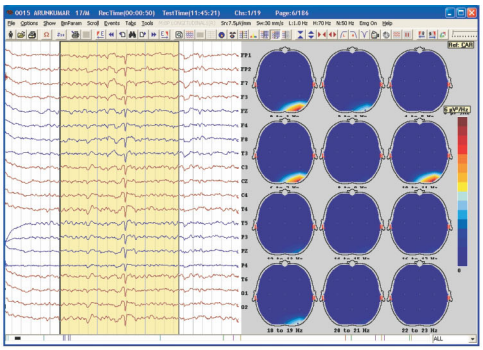




EEG Exams

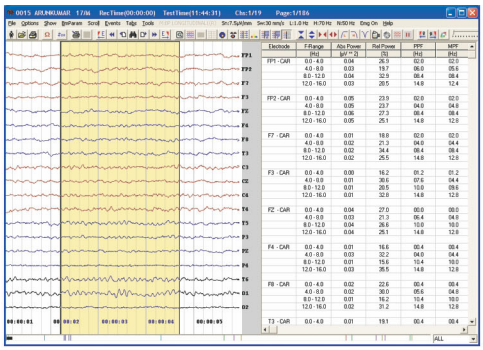
Anywhere, Anytime

- 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)
- 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
- Online or offline data transfer through Internet / Intranet
- EEG synchronous digital video capabilities make the exams more precise (optional)



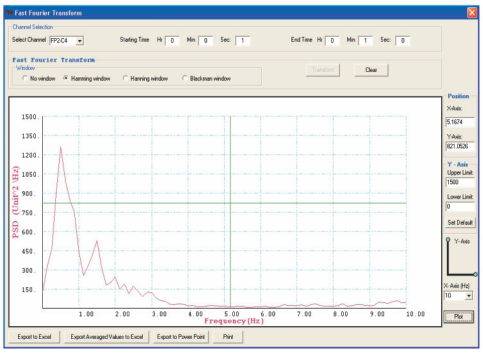
Frequency Map

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



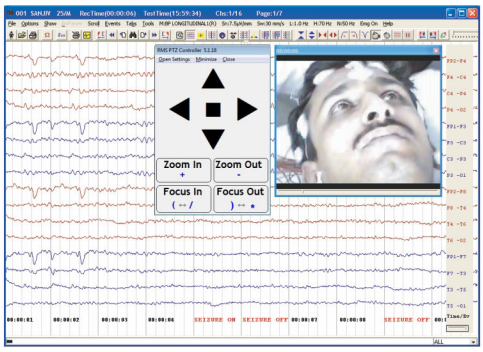
Frequency Tabular Analysis

Tabular analysis of different frequencies for all the channels



FFT

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



Video Recording (optional)

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

PDF

MS WORD

MS EXCEL

E-MAIL

AUTO-RUN CD/DVD

NETWORK STORAGE

EDF

MATLAB

Maximus - Technical Specifications

Maximus 32

EEG input channels	24
EKG input channel	2 (bipolar)
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 μV / mm and one user selectable value
A/D Conversion	16 bit in hardware
Sampling Rate	1024 Hz
Storage Rate	256 Hz
Resolution	0.153μV
Dynamic Range	10mV P-P
CMRR	> 100 dB (0.1-100 Hz)
Noise Level	< 0.3μV 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

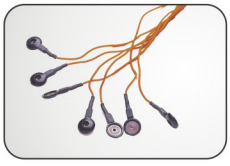
Minimum PC/laptop Configuration

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.

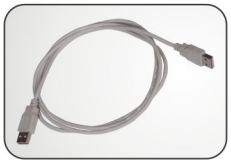
Standard Kit


Maximus EEG

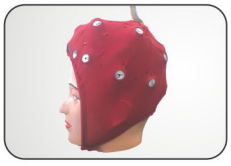

Disc Electrodes


Traveling Bag


EEG Paste


USB Cable

Options


Electrode Cap


CCD Camera


Stand with Photic Flash



Kondukt Paste


Laptop / Desktop

Remote Service Program

Online technical support is available from RMS Head office. Customer has to provide internet connection.

Since R&D is a continuous process, to make changes in product features, specifications, aesthetics and/or to discontinue the same at any time without notice or obligation

Certified ISO 9001:2015, EN ISO 13485:2016 company

Recorders & Medicare Systems (P) Ltd.

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rev. 07/2018