



Super Spec EEG

ELECTROENCEPHALOGRAPH



Dedicated PC based EEG

with 32 Channel

- Suitable for use in ICU, OT, Bedside recording
- Automatic paging facility for quick review and analysis
- Artifact free recording in any environment
- Easy to use operation for acquisition and analysis
- Quick review of many hours of EEG

- Upto 32 channels data Acquisition (24 EEG channels, 5 Bipolar & 3 Polygraphic)
- Simultaneous acquisition and analysis
- Event marking with review and printing options
- Montage pictorial can be displayed as well as printed
- User programmable acquisition and photic sequences protocols
- Online true AC Impedance check which displays numeric values of all electrodes
- LED based photic stimulator reduces acoustic electrical interference
- Unlimited online / offline montage and filter reformatting
- Advanced features in Brain mapping with multiple references
- Brain mapping color coding as per international standards
- Compressed Spectral Array (CSA) and Density Spectral Array (DSA)
- EEG Synchronous digital video (optional)

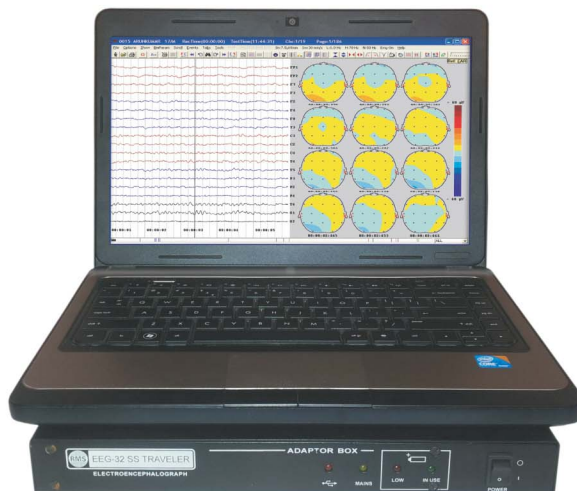


Upgradable to **Video EEG**

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

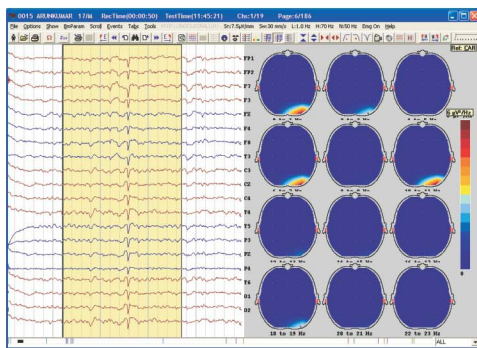
Super Spec EEG Traveller

- Battery and Mains powered portable EEG
- Data transmission through high speed USB 2.0



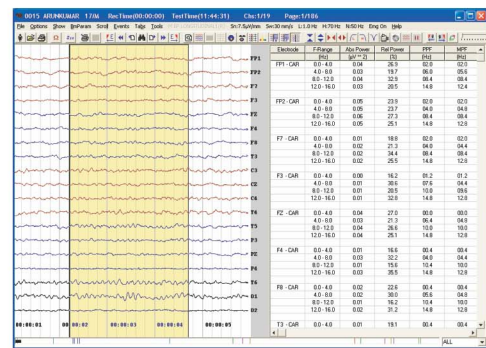
Head Box





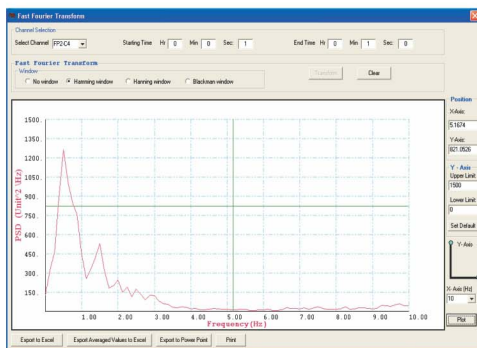
Frequency Map

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



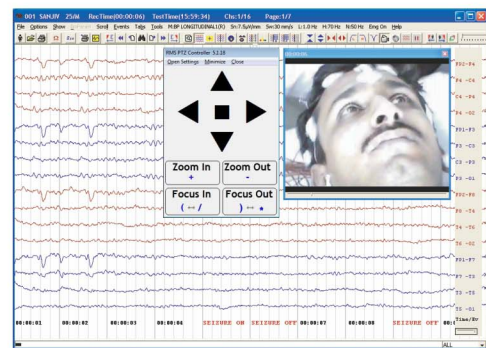
Frequency Tabular Analysis

Tabular analysis of different frequencies for all the channels



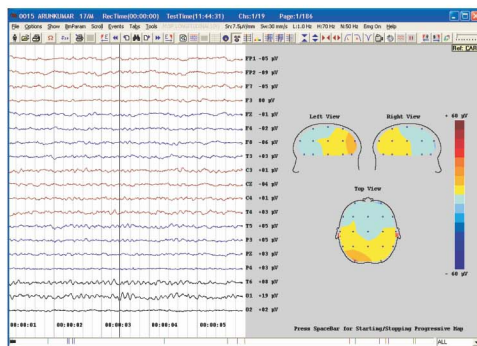
FFT

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



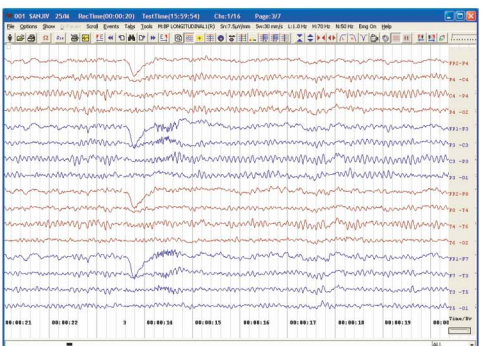
Video Recording (optional)

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



Tri Map

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



Freeze

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



PDF



MS WORD



MS EXCEL



E-MAIL



AUTO-RUN
CD/DVD



NETWORK
STORAGE



EDF



MATLAB

Technical Specifications

EEG

EEG input channels	24
EKG input channel	1 (bipolar)
Configurable input channels	4 (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

14 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)

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

Super Spec EEG 32

General

Connectivity to host PC	RS-232 / High Speed USB*
Export formats	PDF, MS Word, MS Excel & EDF
Safety	1.5 KV isolation

Power Supply

Line Power supply	~ 220 - 240V, 50Hz \pm 10%
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EEG Cart

Dimension	745 (H) x 765 (W) x 465 (D) in mm
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Two tier, heavy duty cart made of pre-laminated 18 mm thick board with

- Castors having locking arrangement
- One pull out shelf for computer keyboard
- Shelves for printer, PC tower and accessories

*optional

Super Spec EEG 32 Traveller

General

Connectivity to host PC	High speed USB / RS-232
Export formats	PDF, MS Word, MS Excel & EDF
Safety	1.5 KV isolation
Dimension	38(H) x 310(W) x 252(D) in mm
Weight	2.5 kg approx.

Power Supply

Line Power supply	~ 220 - 240V, 50Hz \pm 10%
Power Supply Operation	AC/DC with on / Off line Battery charging
Battery	= 12V / 2.3AH (Lead Acid)
Battery backup	5 hrs.
Charging Time	2.5 hrs.

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

Standard Kit

Disc Electrodes , EEG Paste, EEG Stand, Photoc Flash

Options

Electrode Cap, CCD Camera (IR), Pan-Tilt & Zoom Camera, 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

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