



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



- Up to 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)

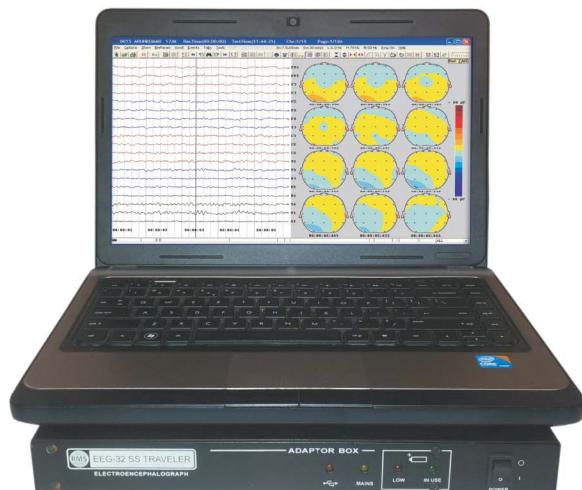


Upgradable to
Video EEG

- 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

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

| | |
|------------------|---|
| 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 | \sim 220 - 240V, 50Hz \pm 10% |
|-------------------|-----------------------------------|

EEG Cart

| | |
|-----------|-----------------------------------|
| Dimension | 745 (H) x 765 (W) x 465 (D) in mm |
|-----------|-----------------------------------|

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 | \sim 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, Photic 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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