



## ELECTROCONVULSIVE THERAPY

### ECTON Features-

- Portable & Light weight
- Alphanumeric LCD display
- Easy to clean feather touch keypad
- Dual operating modes- Brief Pulse mode & Sine Wave mode

### Additional features available in PC ECTON

- EEG, ECG & EMG monitoring
- Session wise records are saved for each patient
- View / Edit / Delete any session at any time
- Search facility for Patient's Database
- Automatic Calculation of Convulsion
- Heart Rate Variability
- Event Marking
- Automatic Report Generation
- Time Measurement Tool
- Peak to Peak Measurement Tool
- Heart Rate Measurement Tool
- Selectable Filters, Sensitivity, Deflection & Channel Color
- Raster & Continuous Viewing of Waveforms



**PC ECTON**

## ECT- Technical Specifications

### ECTON

#### BRIEF PULSE MODE

Frequency, Duration, Pulse Width, Current Selectable by user. Energy Automatically Calculated by the micro computer

Type	Bidirectional square wave
Frequency	Selectable 10Hz - 140Hz in 15 steps of 10Hz each
Pulse Width	Selectable 0.10 mS - 2.0 mS in 20 steps of 0.1mS each
Duration	Selectable from 0.10 Secs to 5 Secs in 50 steps of 0.10 secs each.
Current	500 mA - 800 mA in 7 steps of 50 mA each.
Energy	Energy is delivered according to the head Impedance.

#### SINE WAVE MODE

Current	650 mA (fixed)
Frequency	50 Hz (fixed)
Duration	0.5ms (fixed)
Energy	Energy is delivered according to the head Impedance.

### PC ECTON

No. of Channels	2 Channels (ECG & EEG)
CMRR	>90 dB
A/D Resolution	12 Bits Unipolar
Low-Pass Fq. (Hz)	DC, 0.1, 0.3, 0.5, 1, 3, 5, 7, 10
High-Pass Fq. (Hz)	0.1, 0.3, 0.5, 2, 10, 15, 35, 70, 99
Sensitivity ( $\mu$ V)	1, 2, 3, 5, 7.5, 10, 15, 20, 30, 50, 75, 100, 200, 300, 500, 750, 1000, 1500
Sampling Rate	256
Interface	RS-232

### COMPUTER CONFIGURATION

OS: Windows XP Pro/Windows7 Professional 32bit, Processor: Core2Duo or higher, RAM: 2GB or higher, 40 GB harddisk, CD/DVD Optical Drive, Screen Resolution 1024x768 or higher

### STANDARD ACCESSORIES

Component	Quantity
Head Band	1 No.
Conductive Jelly	1 Bottle
Earthing Cord	1 No.
Dust Cover	1 No.
Instruction Manual	1 No.

### 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, features & specifications are subject to change without notice.

### RECORDERS & MEDICARE SYSTEMS (P) LTD.

Certifications: ISO 9001:2008, EN ISO 13485:2003,

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