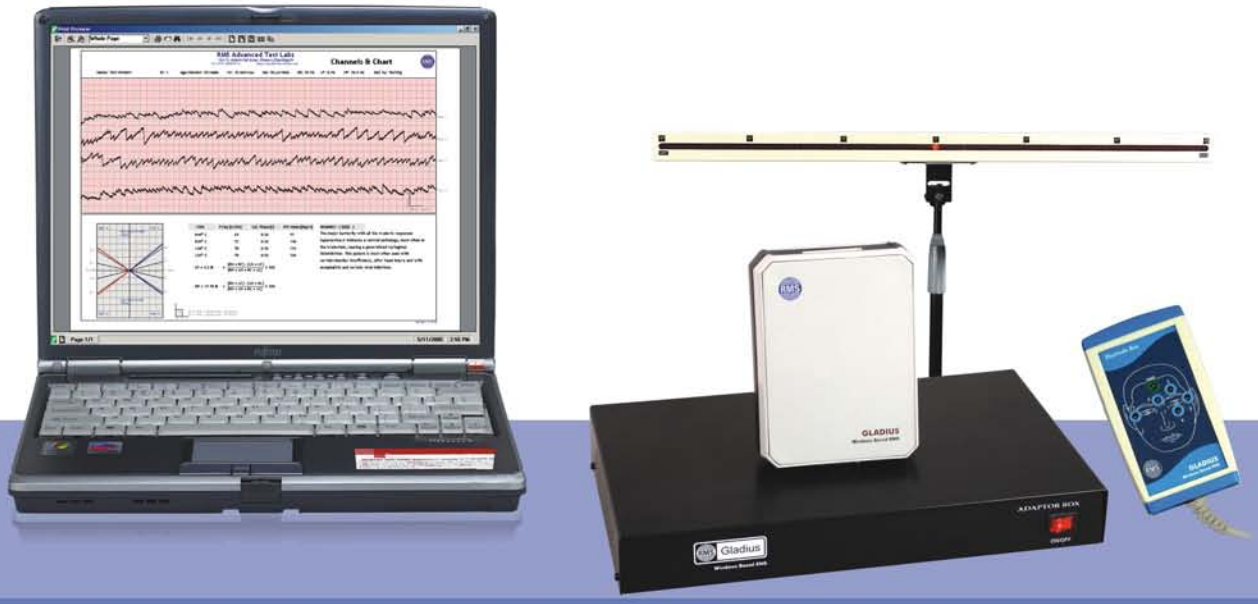
RMS Gladius
ELECTRONYSTAGMOGRAPH



PC BASED ENG MACHINE

Gladius 201 Features-

- The ENG Tests: Saccades, Gaze, Pursuit, Positional, Dix Hallpike , Caloric & Optokinetic
- User definable test sequence
- Patient safety through optical isolation
- Computer controlled Light-Bar
- Patient data comparison (multiple sessions and/ or with normative data)
- Efficient patient data management using single envelope
- Patient history chronologically documented
- Reformatting of Sensitivity & Filters in Review & Analysis
- Internal Loop-Back Test to check system integrity
- Notch Filter & data validation

Additional features available in Gladius 401

- Automatic calculation of Culmination Frequency with manual override
- Automatic plotting of butterfly charts
- Auto calculation of Slow Phase Velocity (SPV)
- Auto derivation of Canal Perisis and Directional Preponderance
- Optional data export to excel file for educational research

GLADIUS - Technical Specifications

MODELS

RMS Gladius 201	2 channels
RMS Gladius 401*	4 channels

ENG

Input Channels	2/4*
Time Constant	3.2/2.3/1.6 sec.
Low Filter	0.05/0.07/0.1Hz,
Hi Filter	7.5/15/30 Hz
Coupling	DC Response
Input Offset voltage	
Range	±16mV
CMRR	>100 dB
Noise	<5μV peak-to-peak
Notch Filter	50 / 60 Hz.
Resolution (ADC)	14 bit
Sampling Rate	500 Hz
Sweep Speed	5/10/20 mm/sec
Range of Eye position	± 30 degree Horizontal / Tracked Vertical
Linearity	
Horizontal	1% full scale
Vertical	1.2% full scale
Input Power	120 / 240 VAC, 50/60 Hz

OPTICAL STIMULUS

Type	Light Bar
Patient to Bar Distance	1 metre
Target Position	Gaze Targets ± 30 degrees
Pursuit & Saccades	Computer controlled
Target Size	< ½ degree
Optokinetic	6 Targets

MINIMUM COMPUTER CONFIGURATION

OS: Windows XP Pro/Windows 7 Professional 32 bit, Processor: Core2 Duo or higher, RAM: 2GB harddisk CD/DVD Optical Drive, Screen Resolution 1024x738 or higher

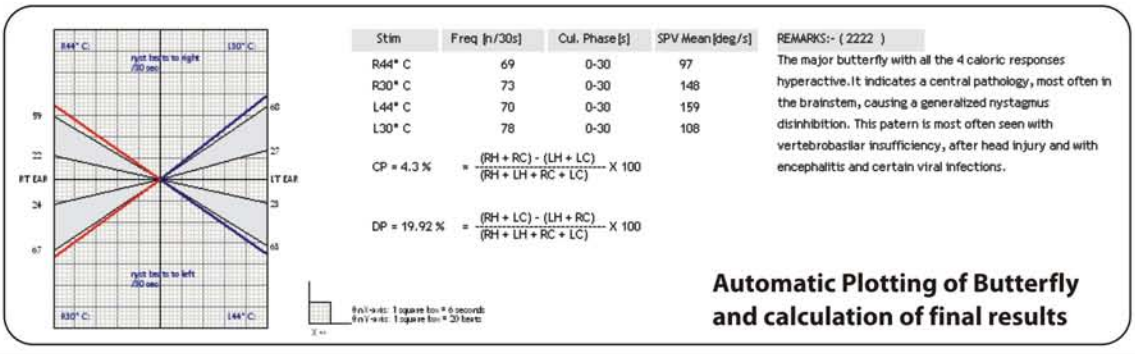
ENG CART (Optional)

Two tier heavy duty cart made of pre-laminated 18 mm thick board with:

- Castors having locking arrangement
- Pull-out keyboard shelf
- Shelf for PC & Printer

HARDWARE & ACCESSORIES

Component	Quantity
Acquisition Box	01
Patient Connector	01
Electrodes	01 set
User Manual	01
Recording Paste	02



Since R&D is a continuous process, features & specifications are subject to change without notice.

RECORDERS & MEDICARE SYSTEMS (P) LTD.

H.O. & Works: 196, Industrial Area, Phase 1, Panchkula-134113 (Haryana), INDIA.
Ph.: +91-172-2564196, 2565196, Fax: +91-172-2566196
website: www.rmsindia.com, e-mail: helpdesk@rmsindia.com
Regd. Office: 181/5, Industrial Area, Phase 1, Chandigarh-160002, INDIA.

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

rev. 01/2012