

NeuroStim

EMG/NCV/EP System

the new generation

The flexible and economic »point of care« indigenous system



MEDICAID

Highlights

- Directly connect to USB port, no external power supply required
- Simultaneous acquiring and display of EMG from different group of muscles.
- Upto 13 minutes of continuous EMG wave form can be stored and replay with Audio.
- Simultaneous display of live and averages waveforms
- Auto marking of amplitude and latency
- More than one nerve can be listed on a single screen
- Comprehensive auto report generation with all test values in tabular form
- Report Printing in MS Word format
- In-built picture guide for muscle/nerves

...for Clinical, Routine & Research Use

NeuroStim

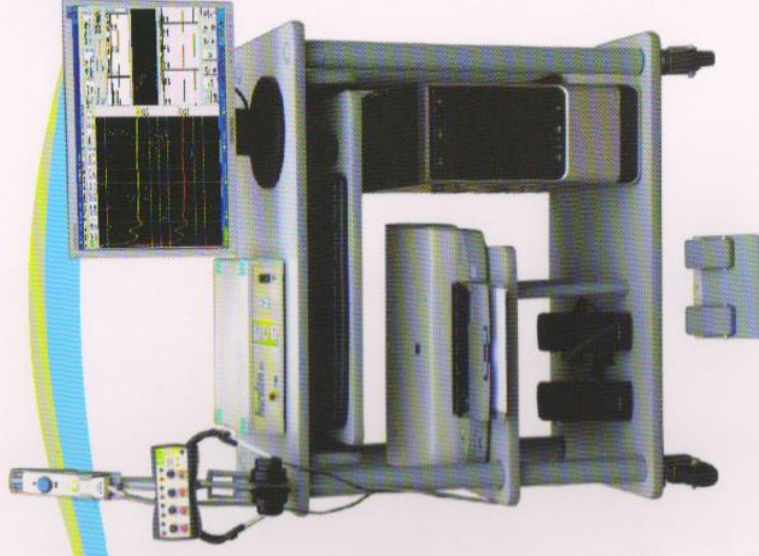
EMG/NCV/EP System

Introduction

Neurostim developed & design by highly qualified technocrats having rich experience of 30 years in Biomedical Instruments provides reliability & quality service to the Neurophysiological community.

Neurostim is a complete system having facility to perform muscle EMG, complete nerve conduction studies & Evoke potential.

Neurostim is useful in the field of Neurology, Psychiatry, Physiology & Physiotherapy etc.



After Sales back up The Backbone of our success

All equipments from Medicaid systems comes to you after thorough checking, testing & series of critical tests performed by the experienced & dedicated dealing hands to ensure better quality i.e. at par with world famous equipments and keep them functional hassle free.

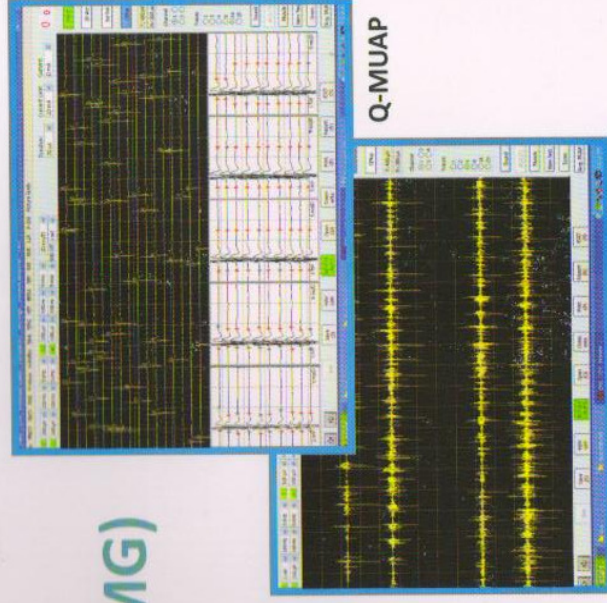
With the rapid change in technology the Medicaid's team of R&D engineers keep itself abreast with the latest technology for upgradation of the systems in order to compete world market.

Medicaid's team consisting of expert dealing staff is always available for customer's services nation wide.

By choosing Medicaid you always stay ahead of others.

Clinical Electromyography (EMG)

- Needle & surface EMG, Turn/ Amplitude Analysis
- Spontaneous, Interference Pattern
- Q-Motor Unit Potential Analysis (Q-MUAP)
- Trigger EMG, Jitter EMG
- Upto 13 minutes storage facility of complete EMG Data
- Cascade or full screen EMG
- Single / Dual/ Four channel simultaneous acquisition



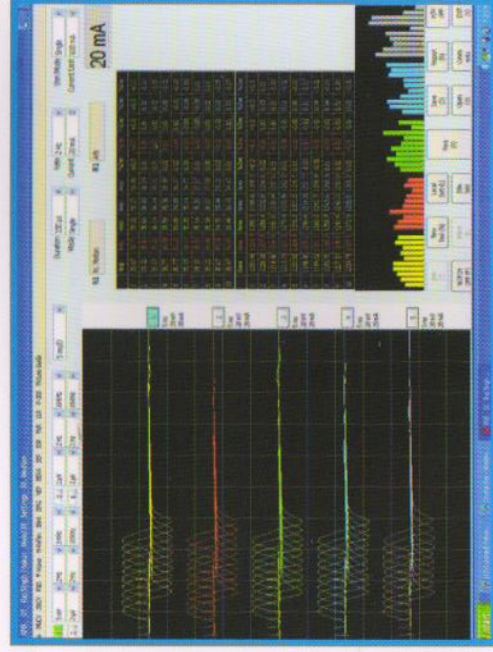
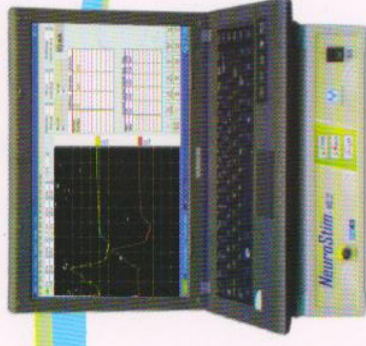
Cascade EMG

NeuroStim

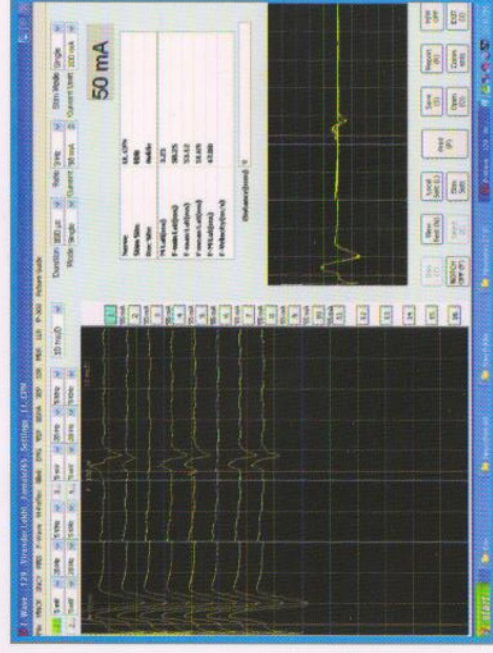
EMG/NCV/EP System

Nerve Conduction Studies

- Motor Nerve Conduction
- F-Wave, H-Reflex, Blink Reflex
- Customised setting for individual nerve
- Auto Area & duration calculation
- Traces can be made smooth, drag, invert, cut, copy & paste
- Sensory Nerve Conduction
- RNS/ Decrement with spectrum plotting
- Auto storage of highest amplitude trace in MNCV
- Sensitivity & sweep of individual trace can be customised
- Super imposition of traces



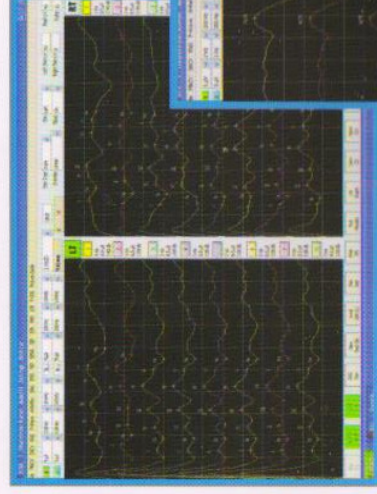
RNS



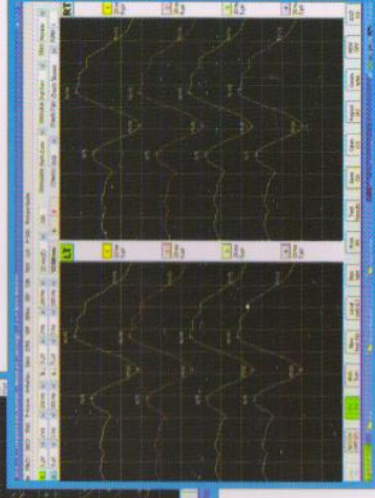
F-Wave

Evoked Potentials

- Visual Evoked Potential
- Auditory Evoked Potential
- MMR, LLR & P-300
- Somatosensory Evoked Potential
- Markers can be customised
- Provision to display & store 16 waves
- Split Screen for viewing Ipsi and Contra recordings in BAER
- For VEP, Pattern reversal stimulation on checker, vertical bar & horizontal bar with different sizes
- Options for LED goggle and Flash stimulator



BAER



VEP

Sympathetic Skin Response (SSR)

- Data updated every sec.



Model

NS-2 : 2 channel

NS-4 : 4 channel

TECHNICAL SPECIFICATIONS

Channels	: 1, 2 or 4
Sensitivity	: 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500 μ V/div; 1, 2, 3, 5, 10, 20 mV/div
High Cut	: Selectable at 100, 200, 500 Hz; 1, 2, 3, 5, 10 KHz
Low Cut	: Selectable at 0, 2, 20, 30, 100, 200, 500 Hz.
Sweep speeds	: 1 to 1000ms/div in 19 steps (1, 1.5, 2, 3, 5, 7, 10, 15, 20, 30, 50, 75, 100, 150, 200, 300, 500, 750, 1000)
CMRR	: > 110 dB
Input Impedance	: > 100 M ohm (common mode)
Noise	: 0.5 μ V (1 Hz to 10 kHz).

A/D CONVERTER

18 Bit Analog - Digital Conversion

AVERAGER

Number of averages per channel upto 100000

ELECTRICAL STIMULATOR

Type	: Hand held, constant current electrical stimulator with stimulus intensity dial and stimulus trigger on handle. Save, Start/Stop & Select switches are provided on Stimulator
Isolation	: Electrically isolated stimulator with independent controls.
Electrical range	: 0-100 mA (0-400 volts) with adjustable duration, intensity and repetitive rate.
Duration	: 0.02, 0.05, 0.10, 0.20, 0.50, 1.0 ms.
Repetition rates	: 0.5, 1, 3, 5, 7, 10, 15, 20, 25, 30 PPS standard or any user definable value

AUDITORY STIMULATOR (BAER)

Type	: Head Phone (TDH-39)
Stimulus	: Click Sound (Rare, Comp., Alt), Tone bursts, Pips, Pure tone.
Frequency	: 250 Hz to 8000 Hz.
Intensity	: 0-125 dB nHL or 30-140 dB SPL.
Presentation	: Left, right or both ears.
Click duration	: 100 μ s square wave clicks. Rarefaction, condensation or alternating polarity.
Envelopes	: Linear, Gaussian, Black man, Hanning
White Noise	: Contra lateral masking from 0 to 80 dB nHL.
Rate	: User definable.

MEDICAID SYSTEMS

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VISUAL STIMULATOR (VEP)

Video monitor	: Coloured VEP monitor for black and white, pattern reversal check board stimulation, vertical bars, horizontal bars. Features center fixation target, independent quadrant and half field stimulation.
Square sizes	: 1, 2, 4, 6, 8, 10, 12, 16, 22, 32, 64
Flash mode	: Available
Rate	: User definable.

LED GOGGLES (OPTIONAL)

Flash/Pattern Stimulus Selectable For Right, Left Or Both Eyes

LED STIMULATOR (OPTIONAL)

Pattern reversal/checkboard stimulator with red and black square and flash modes.

STANDARD ACCESSORIES

Surface disk electrodes	: 10 Nos.
Sensory ring electrodes	: 04 Nos.
EMG needle connector	: 02 Nos.
EMG Needles	: 02 Nos.
Electrical Stimulator	: 01 No.
BAER head phone	: 01 No.
Foot switch	: 01 No.
Ground wire	: 01 No.
Electrode Box	: 01 No.
Conductive paste & gel	: 02 Nos.
Measuring tape	: 01 No.
CPU interface cable	: 01 No.
Sticking tape roll	: 01 No.
Software Backup on CD	: 01 No.

COMPUTER HARDWARE (Optional)

Computer	: Dual Core 2.0 GHz, 2 GB RAM, 160 GB HDD, DVD ROM, Keyboard & Mouse
Operating System	: Window XP/2000/Vista
USB Port 2.0	: 2 Nos.
Monitor	: 15" Colour
VEP Monitor	: 15" Colour
Printer	: Any Inkjet printer supporting windows. (Laser printer optional)
Mobile cart	: Heavy Duty Wheel, locking facility with flexible arm stand