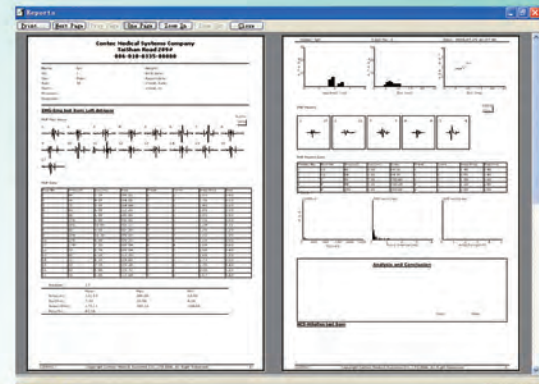


Report creating system

Select case data and graph to create comprehensive and detailed case information for future diagnosing. And current waveform can be printed with "Print" function.



Interface of data analysis



EMG diagnosis report interface

CMS6600B EMG/EP System features in simple operation, clear check, accurate record, beautiful interface, and it can provide help for doctors in neural surgery, internal medicine, rehabilitation, Ophthalmology, pediatrics etc. Doctors can give cure scheme according to the test results, such as MCS, SCS, FWave, HRelex, EMG, BlinkReflex, RNS, SEP, etc.

*** Accessories**



Concentric Needle Electrode



Disc Electrode



Concentric Needle Connecting Wire



Ring Electrode



Earth Cable



1mm Connecting lead wire



From 1 to 2 Conversion Cable



Ground electrodes + Grounding line connecting wire



Current Stimulator

EMG/EP System
CMS6600B



MEDICAL
Dedicated to Health

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CONTEC reserves the right of product appearance, specifications and function modification and updating,
without prior notification. CMS2.782.132EXC/1.0 1.4.03.01.456

Features

- Professional EMG/EP operation platform and perfect test projects, complete each test in the shortest time.
- Perfect case report data and graph creating system.
- Special database management system.
- Select test part with Neuro and muscle navigation system and projects selecting system fleetly and conveniently.
- Powerful normal value system, contrast with normal data automatically.
- Flexible software design, configure systems according to requirements.
- High-speed data collection, electromagnetic interference suppression, Photoelectric isolation and low noise.
- Simple and convenient operation panel.
- Good Electrostatic and electromagnetic interference suppression capability for using high strength and light quality metal enclosure.
- Selectable 1-4 channel input mode meets multi-working modes in clinical EMG test.
- High-speed collect and process data with parallel processing technology, display data with graph.

Functions

General electromyogram(EMG), Sensory nerve conductor velocity(SCS), Motor nerve conductor velocity (MCS), FWave, HReflex, Blink Reflex, Repetitive nerve stimulation(RNS), Brainstem auditory evoked potential (BAEP), Visual evoked potential (VEP), Somatosensory evoked potential(SEP).

Technical parameters

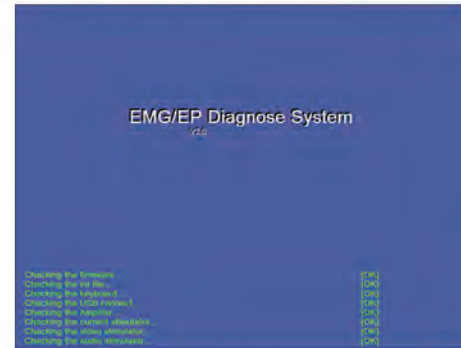
- Computer part**
 - CPU Intel PentiumIII (more than 800MHz)
 - EMS memory More than 256M
 - HD More than 40G
 - CD driver CD-ROM or higher configuration
 - I/O interface more than two USB2.0 interfaces
 - operating system Windows7, vista, xp 62bit, 32bit
 - Laser printer
- Main system part**
 - A/D conversion resolution 16 Bit
 - Sampling ratio 200kHz
 - Analysis time 5-5000ms
- Amplifier part**
 - Four-channel
 - Sensitivity 0.05 μ V-20mV/Grid
 - CMRR \geq 100dB
 - Filter frequency
 - Low-pass 1Hz~3000Hz(-3dB)
 - High-pass 10Hz-20000Hz(-3dB)
 - Gain amplifies 25 times-400000 times
- Stimulator part**
 - Constant current 0.2-100mA
 - Pulse width 50-1000 μ S
 - Stimulation frequency 1Hz-50Hz
 - Single or continuous stimulation
 - Short circuit and overloading protection
- Auditory Stimulator**
 - Stimulation waveform 40Hz Short, Sound Stim
 - Stimulation polarity nondense wave, dense wave and alternant wave.
 - Sound intensity 40-120db (5dB per level)
 - Frequency of 40Hz carrier wave 500-8000Hz

Visual stimulator

Adopts CRT display whose size is not less than 200mm \times 200mm.
 Mode tessellation, horizontal bar and vertical bar
 Stimulation view all-view, half-view and quarter-view
 Resolution 3x4, 6x8, 12x16, 24x32, 48x64
 Flash stimulator all quench, left light, right light, l&r light

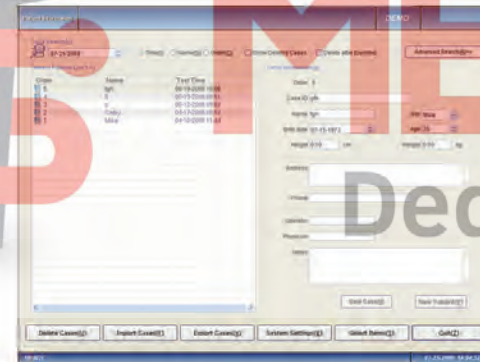
Software Function

System self-checking function
 System will check each part of hardware can work normally when it is powered on to ensure patient safe.



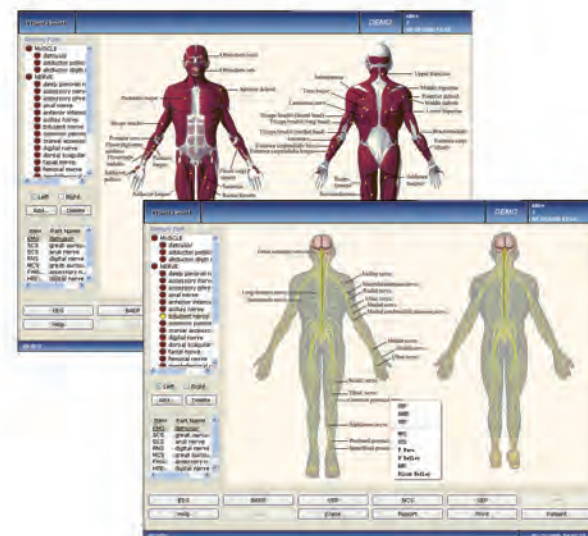
Case database management system

The functions in this module include: add, delete, modify, query, import and export case information. In addition, the system also provides advanced and intelligent search function for case.



Projects select

The module is the bridge connecting case database and checking project. It provides information with graph and characters, which is convenient for user to select test part and project.



Impedance test

To achieve optimal test effect, firstly open impedance test function to record that the impedance of body surface complies with the condition which is less than 5K.



Perfect EP/NCS/EMG Test System. The detailed Test projects are showed as below:

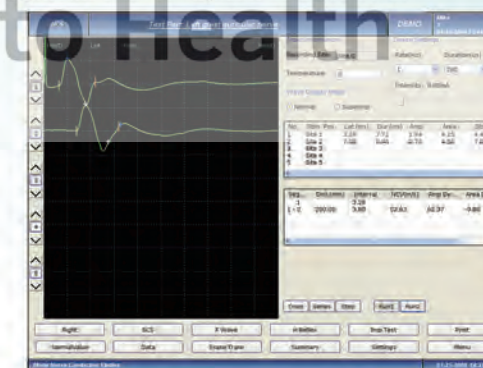
Test system	Test project	
EP	BAEP	Sound stimulate
		40HZ short voice stimulate
	VEP	mode switch stimulate
	SEP	flash stimulate
NCS		NCS
		SCS
		F Wave
		H Reflex
		Blink Reflex
EMG	RNS	
EMG	General EMG	

EP system: including SEP, VEP(which contains EP-mode switch and flash) and BAEP.

NCS

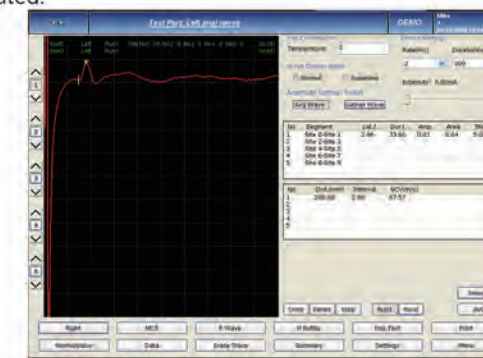
1.MCS

The system can analyse the collection waveform and adjust baseline automatically, and nerve conduction velocity in two nerve segments and latency can be calculated.



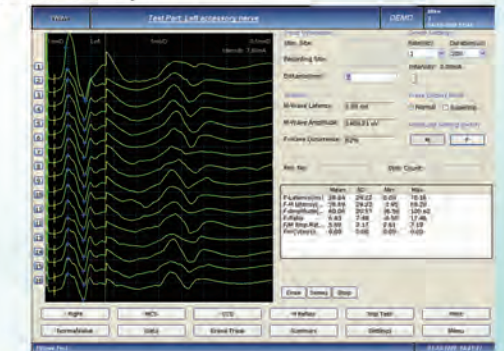
2.SCS

Get bigger Signal Noise Ratio(SNR) and strong anti-interference capability by lesser superimposed waveform. And nerve conduction velocity in two nerve segments and latency can be calculated.



3.F wave

This window displays two waveform(M wave in left and F wave in right). It can calculate F-Wave Latency, M-F Latency, F-Wave Amplitude, F-Wave Occurrence, F/M amplitude rate and F-Wave conduction velocity.



4.H Reflex

H-wave latency, H-wave amplitude and H/M rate can be calculated.

5.Blink Reflex

Dual-channel collection can record trigeminal signal from two sides.

6.RNS

Many repetitive stimulation checks can be done in one test, and stimulation waveform amplitude, amplitude decremental percentage, waveform area and area decremental percentage can be calculated.



Standard EMG system

This system reduces baseline drift by superimposing eight EMG waveforms, and it can store and review many EMG waveforms, real-time analyse motor unit potential and interference phases.

