



CE 0123

EMG Octopus

Electromyograph

Available Models : 2/4/8 Channel

- The modular hardware concept allows up to 8 channel amplifier
- Specific function keys support the optimal handling during examination and evaluation
- Powerful integrated stimulator
- Integrated operation panel
- Convenient controls and intuitive user interface
- Extremely low noise amplifiers
- Sturdy cart with arm

Specifications

Technical Specification's EMG / NCS / EP System

Fully computerized EMG / NCS / EP system with 2/4/8 Ch facility

Display

Sensitivity from	0.1µ / divn to 50 mV/ divn
Sweep	1 mS / divn to 1000 mS / divn.
Number of Traces	1 to 20

Amplifier

Dual Channel	Miniature Module
Gain	50 to 20000 with Fine Control
Dynamic Range	100mV at min. Gain
Resolution	0.02 µ V at max. Gain
Noise level	0.4µ VRMS 100Hz to 10KHz)
Input impedance	> 10 MΩ CMMR > 100 db
High filters	100 Hz to 20KHz
Low filters	DC to 300Hz

Electrical Stimulator

Dual mode operation

Pulse width	20 micro Sec. to 1000 micro Sec.
Variable stim rate	0.1 - 30 Hz

Current mode:

Stim level	0 to 100 mA
Variable voltage limit	50 to 400 Volts

Voltage Mode:

Stim Level	50 to 400 Volts
Variable current limit	0 to 100 mA

Auditory Stimulator

- Auditory headphones with Stim types Click, Tone-Pip or Tone-Burst
- Stimulus intensity of 0 - 100dB nHL
- Tone frequencies 250Hz to 7.5 KHz
- Tone-Pip/Burst envelopes viz Linear, Gaussian, Blackman, Hanning, Rectangle.
- Intensity Units : nHL / SPL

A/D Conversion

16 bit SAR	
Sampling rate	Upto 80 KHz

Operating Environment

Temperature	0 to 45°C
Humidity	5 to 95% RH (noncondensing)
Storage Temperature	-5 to 70°C

Visual Stimulator

- Video Monitor Visual stimulator with user definable Rate, color pattern, Intensity control and a variety of patterns i.e. checks, bars.
- User selectable color pattern (foreground and background)
- Photic Flash Rate. 5-20 Hz (Optional)
- LED Goggles (Optional)

Application Software

- PC based system where data can be stored on a computer and printouts can be taken from any color or B/W printer compatible with windows.

Following categories of tests can be done

- **Nerve conduction studies includes** MNC, SNC, F-Wave, H-Reflex, Blink-Reflex, RNS.
- **Electromyography studies includes** Spontaneous EMG Quantitative EMG, Interference Pattern, Single Fibre EMG.
- **Evoked potentials studies includes** BERA, VEP, SEP, MLR, LLR, P300.
- **HRV, SSR.**

Required Hardware configuration:

Operating System : Windows 7/8/10

Processor : i3 (7th Gen)

RAM : 4GB (if Windows 7), 8 GB (if Windows 8/10)

Clarity Range Products

Cardiology:

- **ECG:** ECG-1Ch / 2Ch / 3Ch / 4Ch / 6Ch / 12Ch A4 (With Display)
- **TMT:** True ST (USB Powered) / Bluetooth (Battery Powered)
TrueST-BT+ (Automatic NIBP)
- **Patient Monitor:** Spectra Gold (15") / Smart+(12.1") / Slim+ (10.4") / Radiant(7")
15", 12.1", 10.4" Monitors are configurable upto 7 Parameters
[ECG, SPO2, Respiration, Temperature, NIBP, IBP1,2,3 Ch (Optional), EtCo2 (Optional)] Oxyplus 240ST

Neurology:

- **EEG:** BrainTech - 24 / 32 / 40Ch
- **NCS/EP's/EMG :** EasyTrace 2Ch, Ocopus 2Ch / 4Ch / 8Ch, ECochG

Audiology / Pulmonology : ERG, BERA, Spirometer

* Specifications are subject to change without prior notice.

Business Associate

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EC REP

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