



Multiplelabs
Turnkey Laboratories Solutions



Analytical[®]
Technologies Limited

EMG-8000 Series

EMG Machine



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

▶▶ Available Channel : 2/4/8

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

▶▶ Technical Specifications

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

Display	
Sensitivity From	0.1 μ / divn to 50mV/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	0.4 μ VRMS 100Hz to 1KHz
Input impedance	>10 M Ω CMMR > 100 db
High filters	100 Hz to 20 KHz
Low filters	DC to 300Hz

A/D Conversion	
16 bit SAR Sampling rate	Upto 80 KHz

Electrical Stimulatore	
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 100mA
Variable voltage limit	50 to 400 Volts
Voltage Mode	
Stim level	50 to 400Volts
Variable voltage 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

Operating Environment	
Temperature	5 to 45 °C
Humidity	5 to 95% RH (noncondensing)
Storage Temperature	-25 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 EMG0
- **Evoked potentials studies includes** BERA, VEP, SEP, MLR, LLR, P300.
- **HRV, SSR.**

▶▶ **Accessories Included**

- NCV Electrodes
- Disc Electrodes
- Sensory Ring Electrodes
- EMG Needle Electrodes
- Shock Stimulator
- EMG Speaker
- Ground Electrode
- Bar Electrode
- EP Electrodes
- Jumper Cables
- Conductive Gel
- Foot Switch

▶▶ **Series of Neuro, Cardio & ICU Products**

- 4/6 channels ECG machine ECG 100C
- Single Channel and Two Channels ECG Machines ECG 50-1 Ch and ECG 50-2Ch
- Pulse Oxymeter OxyPlus 240ST
- 24, 32, 40 Channels EEG Machine
- 2, 4, 8 Channels EMG/NCV/EP' ECG Machine
- 7 Parameters Color TFT Patient Monitors Spectra SLIM, Spectra SMART
- 7 Parameters Color TFT/ CRT Modular Patient Monitors Prism Modular
- Central Monitoring System
- Spirometer 'SpiroTech'
- TMT 'TrueST', PC ECG 'ATL ECG' Machine
- Portable 2Ch EMG/NCV/EP's EasyTrace Machine

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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