

COGNITIVE FUNCTION TESTING SYSTEM

CFTS 5002



- ~ 2 Channels
- ~ 4 Channels
- ~ 6 Channels
- ~ 8 Channels
- ~ 16 Channels

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► **Characteristics :**

- 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.

►► **Specifications :**

Display:	
Sensitivity	0.1µ/ divn to 20 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	0.02µV at max. Gain
Noise level	<0.4µ VRMS (100Hz to 10KHZ).
Input impedance	>10MΩ CMMR> 100db
High filters	100 Hz to 10kHz
Low filters	DC to 500Hz
A/D Conversion	16 bitSAR
Sampling rate	Upto 80 Khz
Electrical Stimulator	Dual mode operation
Pulse width	20 micro Sec. to 1000 micro Sec
Variable stim rate	0.1 -30Hz
Current mode:	
Stim level	0 to 100 mA
Variable voltage limit	50 to 400 Volts
Voltage Mode:	
Stim Level	50 to 400 Volts.
Variablecurrent 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.

▶▶ **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 1-30Hz(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 BAP, VER SEP,
- MLR, LLR, P300.
- HRV,SSR.

▶▶ **Accessories included**

- Disc Electrodes.
- Sensory Ring Electrodes.
- EMG Needle Electrodes.
- Shock Stimulator.
- Ground Electrode.
- Bar Electrode.
- EP Electrodes.
- Jumper Cables.
- Conductive Gel.

▶▶ 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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