

The bioelectric potentials associated with muscle activity constitute the electromyogram, abbreviated as EMG. Electromyograph Trainer provides in-depth study and observation of electric potentials generated by the muscles.

Enables EMG signals observation by affixing pregelled Ag-AgCl surface electrodes at the surface to the body near a muscle of interest. Thus EMG measurements are intended to obtain an indication of the amount of activity of a group of muscles, rather than of an individual muscle fiber.

Also consists of built-in EMG Simulator to generate simulated EMG signals. This simulator is provided for internal EMG analysis because as on the educational level we cannot provide any invasive technique of penetrating needle electrode into the muscle. The simulator gives the information about the 10 types EMG patterns viz. Normal EMG, Excited EMG, Raw EMG Data, 100Hz Filtered, 250Hz Filtered, 1 KHz filtered, EMG at 0.53Hz, EMG at 53Hz, Power Spectrum at 0.53Hz, Power Spectrum at 53Hz.

Features

Separate test-points to observe waveforms after each block

Provides amplified real time EMG output

Inbuilt EMG Simulator

Provides information about 10 simulated EMG outputs

Visible LED indication for all the simulated EMG outputs

Technical Specifications

CMRR	:	>100 dB
Filter (Band pass)	:	1 Hz – 10 KHz
Notch filter	:	50Hz
Simulated EMG indication	:	Visible LED
Electrodes	:	Surface Electrodes (Ag-AgCl)
Power supply	:	230V ±10%, 50Hz



Note: Specifications are subject to change.

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