



Scientech TechBooks are compact and user friendly learning platforms to provide a modern, portable, comprehensive and practical way to learn Technology. Each TechBook is provided with detailed Multimedia learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.

EEG activity is due to charge movement in neuronal membranes. It is attractive to think of EEG activity as originating in defined nuclei, but in general the electrical potential represent the summed electrical activity from a substantial number of neurons.

Electroencephalograph Simulator Scientech Techbook 2355 is a convenient means to observe waveforms generated at various point on human scalp. It has an in-built EEG Simulator which virtually helps the user to understand different measurement points and their combinational waveform either in average recording mode or unipolar recording mode.

Scientech Techbook 2355 also demonstrates and explains the significance of specific frequency ranges (Delta, Theta, Alpha and Beta) found in all the simulated EEG waveforms..

Features

- Specially designed for educational purpose
- Provides amplified simulated EEG output of different brain configurations
- Separate test-points to observe waveforms after each block
- On board Variable gain control facility
- EEG Simulator also explains the significance of frequency ranges of Delta, Theta, Alpha and Beta generated on scalp

Scope of Learning

- Study of average recording mode.
- Study of unipolar recording mode.
- Study of standard EEG wave Delta, Theta, Alpha and Beta.
- 30 simulated EEG wave pattern.

Technical Specifications

EEG Amplifier

No. of Channel	: Single
Gain Control	: Variable
CMRR	: Better than 80 dB
EEG Simulator Output:	Standard EEG signal output with Alpha, Beta, Delta, and Theta wave generator
Test Point	: 12 nos.
Product Tutorial	: Online on www.ScientechLearning.com
Dimensions (mm)	: W 326 x D 252 x H 52
Power supply	: 110V - 260V AC, 50/60Hz
Weight	: 1.5 Kg. (approximately)
Operating Condition	: 0-40°C, 85% RH
Included Accessories	: 5 Pin Din to 3 Pin Banana probe, Power Supply, - 1