

Digital Student Physiograph

Meditech Technologies India Pvt. Ltd is the largest manufacturer and exporter of Digital Student Physiograph.

Meditech Technologies's STUDENT PHYSIOGRAPH recorder is a highly sensitivity oscillograph mainly being used for teaching experiment physiology and pharmacology. The design concept is so that it is easily understood by the student at undergraduate and post graduate levels.



Features

- Stand alone unit having coloured TFT display for displaying online and offline recording data.
- Digital Physiograph with time and Event channel.
- Compact, light weight and easy to operate by a beginner.
- System has 6 couplers fitted in a single unit making it easy to carry.
- System has 8 transducers (Force, Pressure, Volume, Respiration, Temperature, Pulse, Respiration Belt and Isotonic)
- Facility to store recording data and review the same on TFT.
- Interface to the computer-Through USB
- System is supplied with software to review and print the recorded data from PC.

STUDENT PHYSIOGRAPH Comprises Of Couplers

To record different parameters the standard range of couplers are as follows

- Biopotential Coupler:** Meditech's Bio-Potential coupler is designed to record almost all kinds of AC Phenomena like ECG, EEG, EMG, ERG or any other A.C. Phenomenon.
- EKG Coupler:** The EKG coupler provides a convenient means of recording the input of five electrodes in various combinations. For Recording Clinical EKG It is Supplied With 5 Pin Junction Box, Limb & Chest Electrodes & Jelly
- Strain Gage Coupler:** Coupler for recording from all Meditech's Strain Gage Transducers. & Use to record muscle activity force , effect of Drug on heart activity etc
- Pulse- Respiration Couplers:** For recording Pulse or respiration using Photo-electric transducers.
- Temperature Coupler:** for recording internal or surface temperature through orchid temperature transducer
- Isotonic Coupler:** for recording with Isotonic Fine movement transducer.

Transducers

A transducer is a device which converts one form of physical energy to electrical energy or vice versa. To record parameter which are not available in electrical form e.g. Pulse, Respiration, Temperature ,Phono Cardiogram etc., one need to use appropriate transducer.

Specifications	Models		
	PHYSIO-1	PHYSIO-2	PHYSIO-3
No. of Channels	1	2	3
Display	TFT Display		
Display Size	15.5 cm × 9.5 cm		
Channel Width	80 mm		
A/D Conversion	16 bit A/D		
Sensitivity	50,100,200,500 uv/cm and 1,2,5,10,20,50,100 mv/cm		
Sweep Speed	0.05,0.1,0.2,0.5,1,2,5,10,20,50 & 100 div/sec		
Data Sampling Frequency	>256 Hz		
Notch Filter	50 to 60 Hz		
Input Impedence	>1 Mega Ohm		
CMRR	>80 – 85 db		
Power Supply Requirements	220/230V AC 50Hz 110/120V AC 50-60Hz*		
Certification	CE		

Standard Accessories

ECG Electrodes	1 Set of 4 Nos.
EEG Electrodes	10 Nos.
Bio-Potential Junction Box	1 No.
EG Disc Electrodes	1 Set of 10 Nos.
Ground Electrode	1 No.
EEG Paste	1 Jar
ECG Jelly	1 Bottle
Operating Manual	1 No.