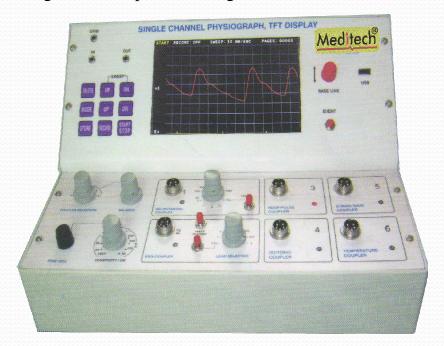


High resolution coloured TFT display

Meditech Student Physiograph is used for the recording of Bio-Electrical Potentials e.g. EEG,ECG,ENG,EMG,Pulse, Respiration, Blood Pressure etc. It is made of light metal for compactness and lightness. Its performance is outstanding due to adoption of integrated circuits.



Features

Indigenous Digital Physiograph with time and event channel.

Compact light weight and easy to operate by a beginner.

Stand alone unit having coloured TFT display for displaying online and offline recording data.

Systems have sic couplers fitted in as single unit easy to carry.

System have Eight 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 provided with software to review and printing the recorder data from PC.

For Teaching Experimental Phsiology & Pharmacology on Human & Animals

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Email: info@newmeditech.com. Website: www.newmeditech.com



Digital Student Physiograph, MTDSP

Biopotential Coupler

For recording all AC phenomena like ECG, EEG, EMG,ENG etc. It is supplied with 3 pin junction box, EEG-EMG electrodes and paste etc.

EKG Coupler

For recording clinical ECG. It is supplied with 5 pin junction box, Limb & Chest electrodes and Jelly.

Straingage Coupler:

For recording from all straingage transducers and used to record muscle activity force, effect of drug on heart activity, Blood pressure from cannulated animals, volume changes etc

Pulse-Respiration Coupler

For recording pulse or respiratory activity using pulse, respiration Belt or respiration transducers.

Temperature Coupler:

For recording internal or surface temperature through transducers.

Isotonic Coupler

Using it along with isotonic fine movement transducer one can perform experiment on isolated uterus and isolated intestine

Transducer

A Transducer is a device which converts one form of physical energy to electrical energy or vice versa. To record parameters which are not available in electrical form e.g. Pulse, Respiration, Temperature, Phono Cardiogramme etc., one needs to use appropriate transducer. We manufacture following transducers.









Models

Single Channel Physiograph MTDSP-S1
Two Channel Physiograph MTDSP-S2
Three Channel Physiograph MTDSP-S3

Technical Specifications	
No. Of channels	1,2 & 3
Display & Size	Coloured TFT: 15.5 x 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	0.5,0.1,0.2,1,2,5,10,20,50,100 div/sec
Data Sampling Frequency	> 256 Hz
Input Impedance	> 1 Mega Ohm
CMRR	> 80-85 db

Standard Accessories		
ECG electrodes	1 set of 4 nos	
EEG electrode	10 nos	
Bio Potential Junction Box	1 no	
EMG disc electrodes	1 set of 10 nos	
Ground electrode	1 no	
EEG Paste	1 jar	
ECG Jelly	1 bottle	
Operating Manual	1 no.	

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