

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.

Strainage Coupler:

For recording from all strainage 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.



Force Transducer



Volume Transducer



Pressure Transducer



Temperature Transducer



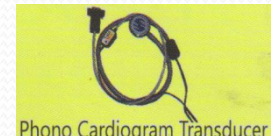
Respiration Belt



Pulse Transducer



Respiration Transducer



Phono Cardiogram Transducer



Bio-Potential Junction Box



Gold Plated Electrodes

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.