



PHONOCARDIOGRAPH

The Phonocardiograph records mechanical activity of the heart and lungs –

- **cardiac sounds,**
- **respiratory sounds**
- **and faint murmurs**



EEC's Phonocardiograph provides high-fidelity recording of heart sounds, respiratory sounds and murmurs. It has a low noise and distortion-free amplifier with a built-in speaker for audio monitoring.

Operation

The electronic sensor is placed on the subject's chest. The FILTER selector and GAIN control is adjusted depending on the user's requirement of pitch and intensity. The heart sounds can be heard clearly on the speaker or binaurals, along with audio-visual indication by the flashing LED indicator. From the output sockets provided, the PCG unit can be connected to an Oscilloscope or ECG/Strip-chart recorder, to obtain the Phonocardiogram

Specifications :

Transducer : Contact type MIR sensor

Phono-pre-amplifier: Matched to sensor with gain adjustable upto 5000.

Frequency response : 10 Hz to 2 KHz (+ 1db)

Filter: Mass-Weber type with cut-offs at 1 KHz with slopes of 20 db, 30db, 40db and 60db per octave. Adjustable by 5-Way rotary switch.

Output Level: Audio-visual indication with light flashes and beeps.

Output electrical signal available : 2 Volts peak to peak / 3 Watts.rms

Output impedance : Less than 100 ohms.

Power Requirements : 220 or 110 volts/50 cycles, or external 12 volts D.C.

Power Consumption: Less than 2 watts.

Size/Weight: 42x30x12 Cms /3 Kgs.

Manufactured by:-



ELECTRONIC ENGINEERING CORPORATION

T-4, VSI Estate, Chennai 600041, India. Phone / Fax : 91-44- 24925853 / 24481680

E-Mail: eecindia@gmail.com

Website: [http:// www.eeconnet.com](http://www.eeconnet.com)

EEC's Product Range :- Biomonitor * Ultrasonic Foetal Monitor * Apnea Monitor *Vascular / Blood Flow Doppler * Electronic Stethoscopes * Electronic Blood Pressure * Pulse / Heart Rate Monitors * Cardiac Fibrillator * Tele-Thermometer * Syringe Infusion Pump * Algometer *Electromyograph * Phonocardiograph * Animal Activity Monitor * Neonatal Monitors