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**Product Name :**  
ECG recorder,portable,w/access

**Product Code :**  
LBNY-0014-220007



www.laboratoryinstrumentindia.com

#### **Description :**

Electrocardiographs are used to diagnose cardiac abnormalities, determine a patient's response to drug therapy, and reveal trends or changes in heart function. Multichannel electrocardiographs record and display signals from two or more leads simultaneously. Electrocardiographs differ from ECG monitors, which provide a continuous real-time display of the ECG waveform and other physiologic measurements on a screen and warn of potentially life-threatening or precursor rhythms.

Electrocardiographs detect the electrical signals associated with cardiac activity and produce an ECG, a graphic record of the voltage versus time. They are used to diagnose and assist in treating some types of heart disease and arrhythmias.

#### **Technical Specification :**

Simultaneous 12 lead acquisition ( aVR, aVL, aVF, I, II, III and V1 - V6) derived from 10 electrodes (RA, LA, RL, LL, V1 - V6).

Lead switching, either manual, automatic or both (manual and auto options).

Adjustable trace speeds include 5, 10 (and/or 12.5), 25 and 50 mm/s.

Minimum HR range 30 – 300 bpm with rhythm analysis.

Arrhythmia and ST elevation detection.

Selectable/adjustable filters for baseline drift, muscle artefacts, mains power.

Pacemaker detection.

Accuracy of input signal reproduction  $\pm 5\%$  or  $\pm 40\%V$ , whichever is greater.

Input impedance  $> 50\text{ M}\Omega$ .

Minimum gain/sensitivity settings include 2.5, 5, 10 and 20 mm/mV.

Minimum guaranteed diagnostic frequency response of 0.05 – 150 Hz.

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Common Mode Rejection Ratio (CMRR) at 60 Hz > 105 dB or better.  
Defibrillation fluctuation/overload protection.  
Baseline recovery Calibration signal of 1 mV, manual and/or automatic.  
Internal noise level Automatic baseline centring.  
AC fluctuation protection.



**Laboratory Instrument India**