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Product Name :

Portable ECG Recorder w/access

Product Code :

SLE/MDE/13



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Description :

Portable ECG Recorder w/access (Product Code: SLE/MDE/13) is a portable 12-lead electrocardiograph (ECG) that acquires all twelve leads simultaneously and prints them on a built-in thermal printer, used for ECG recording in hospitals, clinics and outreach settings. Depending on the model supplied it records on 3 or 6 channels, offers rhythm and event interpretation, and runs on mains or its rechargeable battery. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, to hospitals and teaching institutions.

Specifications

Parameter	Detail
Type	Digital ECG monitor and recorder, portable, AC and battery powered, with printer and accessories
Leads	12 standard derivations (I, II, III, aVR, aVL, aVF, V1–V6), acquired simultaneously
Recording channels	3 or 6, depending on the available model
Analysis	ECG analysis and full interpretation (rhythm and events), real-timeand manual; pacemaker rhythm detection
Heart rate range	30–300 bpm with rhythm analysis
Frequency response	0.05–150 Hz (minimum guaranteed)
CMRR	Greater than 89 dB
Signal reproduction accuracy	± 5 %
Gain	2.5, 5, 10, 20 mm/mV and Auto; accuracy ± 5 %
Calibration signal	1 mV ± 5 %
Input impedance	Greater than 2.5 MOhm or greater than 50 MOhm, depending on the available model
Adjustments	Adjustable acquisition and visualisation modes; adjustable sweep (trace speed in mm/s); auto-zero
Filters	Baseline correction and Baseline Drift Removal (BDR); AC mains frequency suppression; muscle artefact (EMG)
Protection	Defibrillation and AC fluctuation protection; baseline recovery under 5 s after defibrillation
Internal noise	Below 15 microV (p-p)
Patient leakage current	Below 10 microA
Printer	Thermal printing head; paper speed 5, 12.5, 25 and 50 mm/s (± 5 %); roll or Z-folded paper, 80 mm (3-channel) or 110 mm (6-channel);
Disp	ıble

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