



# PATIENT MONITOR

Patient monitor performance plus reliability  
The complete answer for ECG, SpO<sub>2</sub>, NIBP and trend Monitoring



**BPM-300**

Dual trace, rolling trace · Compact & light weight  
RS-232C & PCMCIA TYPE II interface · All user Interface by rotary switch & hot key  
Trends & Vital Signs Display



## DISPLAY

- Screen** • 7inch CRT monitor  
**Sweep speed** • 25.50 mm/sec, freeze  
**Trace1** • ECG  
**Trace2** • Cascade ECG  
**Trace3** • SpO<sub>2</sub> Wave  
**Resolution** • 640 × 480, 256 levels  
**Deflection** • Electromagnetic, 90° deflection

## ECG

- Input**  
 • Isolated and floating  
 • Protected against surges produced by Diathermy / Electrosurgical and Defibrillator potentials.  
**Lead selector** • I, II, III, aVR, aVL, aVF, V, CAL  
**Lead fault** • Straight horizontal line on screen  
**Filters**  
 • Diathermy/Electrosurgical filter and 50/60 Hz notch rejection filters.  
**Input impedance** • > 10 MΩms at 50/60 Hz  
**CMRR**  
 • > 120 dB, RA, LA, RL, LL to equipotential ground at 50/60 Hz  
**Leakage current** • < 0.04 μA/V at 50/60 Hz  
**Overload recovery** • < 0.25 sec.  
**Bandwidth**  
 • 0.5 Hz-40 Hz display  
 • 0.05 Hz-100 Hz at diagnostic output  
**Max polarization potential** • 600 mV  
**Pacer pulse** • Pacer representation on screen  
**Gain** • 0.5, 1cm/mV  
**Calibration** • 1 mV 1Hz rectangular waveform.

## HEART RATE

- Display**  
 • On screen digits updated every 2 seconds, heart rate calculated from average of last eight R-R intervals.  
**Range** • 10 ~ 300 bpm  
**Accuracy** • ±1% ±1digit  
**QRS indication**  
 • 'R' character on screen indicates QRS detection  
**Alarms**  
 • Heart rate limits adjustable  
 • Min 0-95 bpm  
 • Max 100-255 bpm  
 • Limit flashes and continuous audible tone.

## GENERAL

Size (H × W × D) • 226 × 271 × 308(mm)

  
**MEDICARE AGENCIES**  
 EXCLUSIVELY REPRESENTED IN INDIA

INFUSION PUMP  
 NEBULISER 10 MODELS  
 OXYGEN CONCENTRATOR  
 PULSE OXIMETER 5 MODELS  
 DIGITAL BLOOD PRESSURE MONITOR &  
 COMPLETE RANGE OF PAEDIATRIC PRODUCTS

304, Vardaan House,  
 7/28, Ansari Road,  
 Darya Ganj, New Delhi-2

Tel. : 3254699, 3266699  
 Res. : 2214559, 2439925  
 Fax : Off. : 011-3289199

## SpO<sub>2</sub>

- Measuring range** • 0 ~ 100%  
**Measuring accuracy**  
 • 70 ~ 100% ±2%  
 • 50 ~ 70% ±2%  
**Averaging** • 4 beats averaging  
**Alarm range**  
 • MIN: OFF, 99 ~ 95%  
 • MAX: 60 ~ 95%

## PULSE

- Measuring range** • 15 ~ 300bpm  
**Measuring accuracy** • ±2%  
**Averaging** • 4 beats averaging  
**Alarm range**  
 • MIN: 0 ~ 95bpm  
 • MAX: 100 ~ 255bpm

## NIBP

- Cuff inflation time** • 2 ~ 15 seconds  
**Cuff deflation time**  
 • 15 ~45 seconds typical, 3 minutes max.  
**Transducer Repeatability**  
 • ±1mmHg  
**Transducer drift** • For-3mmHg per year  
**Overpressure value** • Adult 320mmHg ±15mmHg  
 • Neonate 220mmHg ±15mmHg  
**Automatic interval** • 2,5,10,20,30minutes  
**Digital manometer mode**  
 • Permits convenient auscultatory readings in time vital situations

## ACCURACY

- Pulse rate** • ±3% full scale  
**Pressure span accuracy** • ±3mmHg

## ALARMS

- Adult/neonate protection**  
 • Automatically sense improper cuff use and the alarm will sound  
**Systolic, diastolic, Mean pressure and pulse rate**  
 • Upper and lower limits are preset and adjustable

## STANDARD ACCESSORIES

- Cuff for adult
- Cuff for neonate
- Finger probe
- Patient cable assembly
- Ground wire
- Power cord

## OPTIONAL ACCESSORIES

  
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