



Phoebus P513

PATIENT MONITORING SYSTEM



MULTI PARAMETER MONITOR

Features-

- ECG, NIBP, SPO2, RESP and 2-TEMP parameters
- 12.1" high resolution TFT color display
- Adult, Pediatric & Neonatal monitoring
- Arrhythmia Detection and Alarm facility
- Graphical & Tabular Trends storage
- Drug Dose Calculation and Titration table
- Night mode facility
- Standard, Large font, Trends, OxyCRG & Full lead ECG display
- Color coded Audio-visual and Voice alarms
- Pace detection
- Real time ST segment analysis
- Electrocautery and Defibrillator Protected
- Networking Capability
- USB port for onsite software upgradation
- Dual channel IBP Monitoring*
- Respiration Sidestream & Mainstream capnography*

* Optional



PHOEBUS P513 - Technical Specifications

ECG

ECG Leads	3/5 leads configuration
Gain	0.25, 0.5, 1 & 2 mm/mV
HR	15-300BPM (Adult), 15-350BPM (Neonatal)
Resolution	1BPM
Accuracy	1%
ST Range	±2.0mV
Pace Detection	Yes
Sweep Speed	12.5mm/s, 25mm/s, 50mm/s
Bandwidth	0.05 ~ 130 Hz; 0.5 ~ 40 Hz; 1 ~ 20 Hz

SPO2

Saturation range	0 – 100%
Adult	70 – 100% ± 2 digits
Neonate	70 – 100% ± 3 digits
Low Perfusion	70 – 100% ± 3 digits
	0 – 69% unspecified
Pulse Rate range	20 – 250 bpm
Adult	20 – 250 bpm ± 3 digits
Neonate	20 – 250 bpm ± 3 digits

Respiration

Method	Thoracic Impedance
Range	0-150 BrPM
Resolution	1 BrPM
Accuracy	2%
Apnea alarm	10-40sec.

Temperature

Channel	2
Range	0-50°C
Resolution	0.1°C
Accuracy	2%

NIBP

Method	Digital automatic, Oscillometric
Work Mode	Manual, Automatic & Continuous
Unit	mmHg, kPa

Measure range -

Adult	SYS	40-280mmHg
	DIA	10-225mmHg
	MAP	20-240mmHg
Pediatric	SYS	40-220mmHg
	DIA	10-160mmHg
	MAP	20-170mmHg
Neonatal	SYS	40-135mmHg
	DIA	10-100mmHg
	MAP	20-110mmHg

Resolution	1mmHg
Accuracy	5mmHg
Protection	Over pressure

Invasive Blood Pressure (optional)

Channel	1 or 2
Transducer Sites	Arterial, Femoral, Pulmonary, Central Venous, Right Atrial, Left Atrial, Intracranial etc.
Excitation Voltage	5V DC ± 0.1%
Accuracy	±1 mmHg
Alarms	User Selectable upper & lower limits

LoFlo CO₂ Sidestream Sensor (optional)

Sample Flow Rate	50 mL/minute ± 10 mL/minute
Principle	NDIR single beam optics, dual wavelength
CO ₂ Range	0-150 mmHg, 0-20 kPa
CO ₂ Resolution	0.1 mmHg 0-69 mmHg 0.25 mmHg 70-150 mmHg
CO ₂ Accuracy	0-40 mmHg ±2 mmHg 41-70 mmHg ±5% of reading 71-100 mmHg ±8% of reading 101-150 mmHg ±10% of reading Above 80 BPM ± 12% of reading
Respiration Range	0-150 Breaths Per Minute
Accuracy	±1 breath

CAPNOSTAT CO₂ Mainstream Sensor (optional)

Principle	NDIR single beam optics, dual wavelength
Rise Time	less than 60 ms
CO ₂ Range	0-150 mmHg, 0-20 kPa
CO ₂ Resolution	0.1 mmHg 0-69 mmHg 0.25 mmHg 70-150 mmHg
CO ₂ Accuracy	0-40 mmHg ±2 mmHg 41-70 mmHg ±5% of reading 71-100 mmHg ±8% of reading 101-150 mmHg ±10% of reading
Respiration Range	0-150 Breaths Per Minute
Accuracy	±1 breath

General

Dimension	330(W) X 305(H) X 164(D) mm
Weight	5.4 Kg approx. (with battery)
Battery Backup	2 hrs.
Battery	12V, 3.2Ah lead acid rechargeable
Power input	~ 165-265V, 50/60Hz, ±10%
Networking	Ethernet

Standard Accessories

Component	Qty.
ECG cable 5 lead	01 no
SPO2 Probe (Adult)	01 no
NIBP Cuff (Adult)	01 no
Temperature Probe (Skin)	01 no
Temperature Probe (Rectal)	01 no
ECG electrodes (Disposable)	10 nos

Options

IBP, Capnography, Thermal Printer, CMS & Wall Mounting



ECG Cable



SPO2 Sensor



NIBP Hose



NIBP Cuff



Skin Temp. Probe



Rectal Temp. Probe

Since R&D is a continuous process, features & specifications are subject to change without notice.

RECORDERS & MEDICARE SYSTEMS (P) LTD.

H.O. & Works: 196, Industrial Area, Phase 1, Panchkula-134113 (Haryana), INDIA.
Ph.: +91-172-2564196, 2565196, Fax: +91-172-2566196
website: www.rmsindia.com, e-mail: helpdesk@rmsindia.com
Regd. Office: 181/5, Industrial Area, Phase 1, Chandigarh-160002, INDIA.

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