



Phoebus P515

PATIENT MONITORING SYSTEM



VITAL SIGNS MONITOR

Features-

- ECG, NIBP, SPO2, RESP and 2-TEMP parameters
- 12.1" high resolution TFT color display
- Adult, Pediatric and Neonatal monitoring
- Arrhythmia Detection and Alarm facility
- 20 days Graphical and Tabular Trends storage
- Drug Dose Calculation and Titration table
- Night mode facility
- 5 days wave review
- Standard, Large font, Trends, OxyCRG and 7 Lead ECG display
- Color coded Audio-visual and Voice alarms
- Pace detection
- Real time ST segment analysis
- Electrocautery and Defibrillator Protected
- Networking Capability
- Wireless CMS connectivity through WiFi*
- Dual channel IBP Monitoring *
- Sidestream and Mainstream capnography *
- Android compatible CMS *



* Optional

PHOEBUS P515 - Technical Specifications

ECG

ECG Leads	3/5 leads configuration
Gain	0.25, 0.5, 1 and 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 and 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 and lower limits

Sidestream CO₂ 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

Mainstream CO₂ Sensor (optional)

Principle	NDIR single beam optics, dual wavelength
Rise Time	less then 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

WiFi Connectivity (optional)

Wireless Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Antenna Type	On-Board
Frequency	2.4-2.4835GHz

General

Dimension	330(W) X 305(H) X 164(D) mm
Weight	3.6 Kg approx. (with battery)
Battery Backup	4 hrs.
Battery	≡ 11.1V, 3Ah Li-ion 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 (optional)
ECG electrodes (Disposable)	10 nos

Options

IBP, Capnography, Thermal Printer, WiFi, CMS and Wall Mounting



ECG Cable



SPO2 Sensor



NIBP Hose



NIBP Cuff



Rectal Temp. Probe



Skin Temp. Probe *

*Optional