

Radiant P5

7" Color TFT

Perfect for bedside and transit monitoring...



CE 1023

Clarity Medical Pvt. Ltd.



Specifications

General

Size	W 255 mm, L 135 mm, H 175 mm
Weight	2 Kgs. approx.
Display	
Screen Type	Color TFT
Display Area	7" Wide
Resolution	800 x 480
Wave Form	Upto 8 waveforms can be displayed at any time Numeric Display includes HR/PR, SpO ₂ %, NiBP with MAP, Resp, Temp, Co ₂
Trends	96 Hrs. for all parameters.
Networking	2 way Central Nursing Station connectivity.
Alarms	Adjustable alarm limits
Applications	Adult, Pediatric and Neonatal.

Electrical

Internal Battery	11.1V, 1.8 Ah, Li-ion Rechargeable battery
Charge Time	Maximum 8 hours to full capacity.
Operation	AC/DC operation
AC Mains	220 V AC±10%, 50 Hz, 1.5A F max.

Environmental

Operating Temp.	0 to 45 °C
Operating Humidity	5 to 95% RH, non-condensing.
Storage Temp.	0 to 55 °C

ECG

Leads	I, II, III, aVR, aVL, V in 5 Lead configuration.
Heart Rate Range	30 to 255 bpm.
Heart Rate Accuracy	± 3 bpm.
Bandwidth Diagnostic	0.05 to 40 Hz.
Bandwidth Monitoring	0.5 to 40 Hz.
Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec.
ECG Sensitivity	4, 2, 1, 0.5, 0.25 mV/cm.
Lead Off Detection	Detected and Displayed.
Pacemaker Detection	Indicator on waveform display.
CMRR	> 90 dB
Input Dynamic Range	± 5 mV AC, ± 300 mV DC
ST Range	From -0.9 to 0.9 mV.
Defib Protection	Protected against 360 J discharge and electrostatic potentials.

SpO₂

Range	
% Saturation	0% to 100%.
Pulse Rate	30 to 250 bpm.
Accuracy SpO ₂	70 to 100%: ± 2 digits
	50 to 69%: ± 3 digits
	0 to 49 %: Unspecified
Pulse Rate	± 3 bpm
PR Resolution	1 bpm

Temperature (optional)

Range	0 to 50 °C
Accuracy	± 0.1 °C

NIBP

Technique	Oscillometric
BP Measurement Range	
Adult	30 to 250 mmHg
Pediatric	30 to 200 mmHg
Neonatal	20 to 110 mmHg
Measurement Modes	
Auto	Automatic BP measurements at 2,3,5,10,15,20,30,60 & 120 minutes.
Manual	Single measurement initiated by NIBP Start/ Stop switch.
ST/ CONTINUOUS	Average at all readings in 5
Pulse Rate Range	30 to 250 bpm.
Over Pressure Monitor	270 mmHg (Adult) 220 mmHg (Pediatric) 130 mmHg (Neonatal)

Respiration

Technique	Trans-thoracic impedance
Range	4 breaths/min to 150 breaths/min
Accuracy	± 2 or 3% breaths/min.
Resolution	1 breath/min.
BW	0.1 to 3 Hz
Leads	RA to LA
Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec.
Lead Off detection	Displayed.

**EtCO₂ (Optional)

Method	Infrared Absorption
Measurement mode	Side Stream
Measurement range	
EtCO ₂	0 to 99 mmHg
InsCO ₂	0 to 99 mmHg
RR	4 to 150 rpm
Resolution	
EtCO ₂	1 mmHg
InsCO ₂	1 mmHg
RR	1 rpm
Accuracy	CO ₂ concentration ± 2 mmHg @ ≤ 5% CO ₂ < 10% of reading @ > 5% CO ₂
RR	± 2 rpm
Apnea alarm	Yes

Safety:

IEC 60601 - 1, 1-2, 2-49

Accessories included

(Depending on what features are opted by customer)

NIBP tubing	1 No. 1.5 metres (5') long
NiBP Cuff (Adult)	1 No. 25 to 35 cm (10"-14")
SpO ₂ reusable sensor probe	1 No.
3 or 5 Lead ECG Patient cable	1 No.
Disposable electrodes	20 Nos.
Temperature Probe	1 No.
Operating Manual	1 No.

ClarityMed Series of Cardio and ICU Products

- Single Channel & Two Channel ECG Machine.
- Pulse Oximeter OxyPlus 240ST.
- 5 Parameters Colour / Mono Patient Monitors.
- 7 Parameters Colour TFT Patient Monitors.
- 7 parameters Colour TFT/ CRT Modular Patient Monitors
- Central Monitoring System

ClarityMed Series of Neuro Products

- 24, 32, 40 Channels EEG Machine
- 2, 4, 8 Channels EMG/NCV/EP's Machine



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Business Associate

* Specifications are subject to change without prior notice.
 ** Depending on the parameters.