

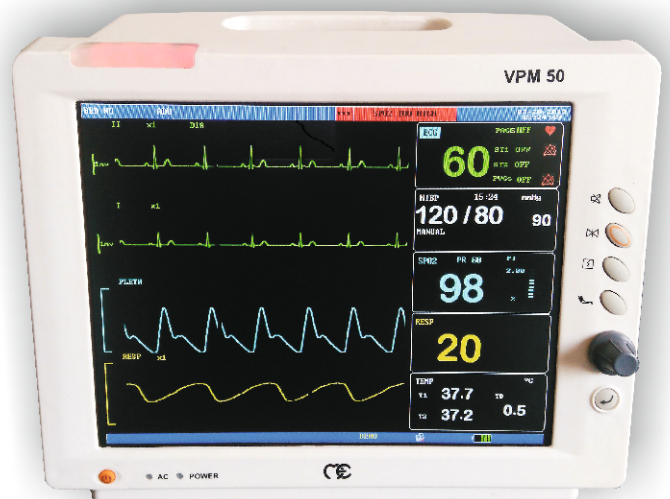


In Critical Times
rely only on the best

Patient Monitor VPM 50

Features

- 12.1" Color TFT with multi channel waveforms display
- Light Weight, Easy to carry, suitable for ambulance center
- Easy connecting with central monitoring system
- 90 Hours Data Storage
- Simple & Easy operation
- Suitable for adult, pediatrics and neonates
- Standard parameters : 3/5 Lead ECG, SPO2, Nibp, 2-Temp, PR



Technical Specifications

ECG

Electrode	3 or 5 Leads
Display	5 Waveforms with HR
Lead	I,II,III,aVR, aVL, aVF, V (5 Lead) I,II or III (3 Lead)
Gain Selection	x1/4, x1/2, x1 and x2
Frequency Response	Diagnostic : 0.05 to 90 Hz Monitor : 0.5 to 35 Hz Surgery : 1-15 Hz
Calibration Signal	1(mV p-p), Accuracy: $\pm 5\%$
ECG Signal Range	± 8 mV (Vp-p)

Pulse Oximetry

Range	0 to 100%
Resolution	1%
Accuracy	70% to 99% range $\pm 2\%$ / 0 to 69% , undefined
Methode	Dual wavelength LED

Nibp

Technique	Oscillometric during inflation
Range	Adult : 40-270 mm Hg Pediatric: 40 - 240 mm Hg Neonate : 40-135 mm Hg
Measurement Cycle	<40 sec, typical
Cycles (Selectable)	2,3,5,10,15,30 min 1,2,4 hr
Max. allowable cuff pressure	Adult : 297 ± 3 mm Hg Pediatric : 240 ± 3 mm Hg Neonate : 147 ± 3 mm Hg
Resolution	1 mm Hg
Transducer Accuracy	± 2 mm Hg or $\pm 2\%$ of reading

Temperature (2 Channel)

Range, Accuracy	0 - 50 °C $\pm 0.1^\circ$ C
Display Resolution	$\pm 0.1^\circ$ C
Probe	YSI 400 AND YSI 700 Series

Respiration Rate

Rate	Adult : 0 ~ 120 rpm Neo / Ped 0~ 150 rpm
Resolution	1 rpm
Accuracy	± 2 breath / min

Heart (Pulse) Rate

Source	User Selectable : Smart, ECG, Plenth , Nibp
Range	Adult 15-300 bpm Pediatric 15 - 350 bpm
Accuracy	± 1 bpm or $\pm 1\%$

Environment

Operating Temperature	59° - 95° F (15° - 35° C)
Storage Temperature	23° - 122° F (-5° - 50° C)
Humidity	15% to 90%

Trends

Memory	96 Hr at 30 seconds intervals for a NIBP reading every 5 minutes
Display	Tabular, graphical

General

Dimensions	200 (L) x 100 (B) x 200 (T) mm
Weight	1.5 Kg
Power	AC 100-240 V , 50/60 Hz
Power Consumption	35 W
Battery	14.8 V / 2200 Mah Li-Ion
Recharge Time	4.5 hours
Operating Time	3 Hours typical

Standard Accessories

Finger Probe	1 No
Mains Cable	1 No
Cuff (Adult)	1 No
5 Lead ECG cable	1 No
Temperature Probe	1 No



Maestros Electronics & Telecommunications Systems Ltd.

EL - 66 ,T.T.C. Industrial Area, Electronic zone, Mahape, Navi Mumbai- 400 710 , India

Tel.: 91-22- 27611193 / 94 ,Website :- www.metsl.in

Email ID :- sales@metsl.in