

VM 30 Neo

Vital Sign Monitor

ABM
ACER BIOMEDICALS



FEATURE:

- 8.4" high resolution color TFT display
- 3 parameters: NIBP, SPO2, PR
- Multi-display: standard, large font, trend coaxis
- Up to 4 hours working capacity of built-in rechargeable battery.
- 4 Separated PCB board: main board, power, NIBP, SpO2
- Optional:
 - Masimo/Nellcor SpO2, Suntech NIBP from USA
 - 4-IBP, EtCO2 Recorder, Touch Screen
 - ECG, TEMP, RESP, HR,

Standard Parameters:

NIBP

Method: Digital Automatic oscillometric
 Operation mode: Manual/Automatic/continuous
 Auto measurement time: Adjustable(1~480min)
 Measurement Unit: mmHg/Kpa selectable
 Measurement types: Systolic Diastolic, Mean
 Measurement range:
 Range of Systolic pressure:
 Adult: 40~270mmHg
 Pediatric: 40~220mmHg
 Neonate: 40~135mmHg
 Range of mean pressure:
 Adult: 20~235mmHg
 Pediatric: 20~165mmHg
 Neonate: 20~110mmHg
 Range of diastolic pressure:
 Adult: 10~215mmHg
 Pediatric: 10~150mmHg
 Neonate: 10~100mmHg
 Over-pressure protection:
 Double safety protection
 Resolution 1mmHg
 Alarm: Systolic Diastolic Mean

SPO2

Measurement range: 0~100%
 Resolution: 1%
 Accuracy: +2%(70-100%) 0.69% unspecified
 Alarm range: 0~100%

Pulse Rate

range 20~300bpm
 Resolution 1bpm
 Error: +1bpm or+2%, whichever is greater

Optional Parameters :

RESP

Method: Thoracic impedance
 Measurement range: Adult 7~120rpm;
 Neonate/Pediatric 7~150rpm
 Apnea alarm: YES 10~40 s
 Resolution: 1rpm
 Accuracy : +2rpm

TEMP

Compatible prober: YSI OR CYF
 Measurement range: 5~50°C
 Resolution : 0.1°C
 Accuracy: +0.1°C
 Refreshing time: About 1
 Average measuring time: <10s

ECG:

Lead mode : 5 -lead (R, L, F, N, C,)
 Lead selection : I, II, III avR, avL, avF,V
 Waveform: 3 and 7 channel selectable
 Gain selection: 0.5mm/mv,1mm/mv, 2mm/mv
 Sweep speed: 12.5mm/s:25mm/s:50mm/s
 Heart rate range:
 Adult : 15~300bpm:
 Neonate:/pediatric: 15~350bpm
 Accuracy: +1bpm or + 1% whichever is greater
 Resolution : 1bpm
 Filter: surgery mode : 1~20Hz
 monitor model : 0.5~40Hz
 Diagnostic mode : 0.05~130Hz
 Scaling signal: 1mv,+3%
 Protection : withstand 4000VAC/50 voltage isolation
 against electro surgical interference and defibrillation
 Alarm range: 15~350bpm
 5-T segment detection:
 Measurement range: 2.0mV~+2.0mV
 Alarm Range : -2.0mV~+2.0mV
 Accuracy : -0.8mV~+0.8mV
 Error: +0.02mV
 Arrhythmia analysis : YES

IBP

Channel: 2 channels
 Range: - 50-300mmHg
 Resolution : 1mmHg
 Accuracy: ±4mmHg(±4%)
 Unit: mmHg, Kpa
 Converter Sensitivity: 5mV/V/mmHg
 Transducer sites : ART/PA/CVP/LAP/RAP/ICP

EtCO2(Sidestream CO2)

Measurement range: 0~99mmHg
 Accuracy: +2mmHg (0~40mmHg)
 Sampling Range: 100ml/min
 Sampling rate accuracy: 15%
 Respiration rate: 0~120rpm
 Respiration accuracy: +2rpm(0~70rpm)
 +5rpm (>70rpm)
 Respiration time: <240msec (10% to 90%)
 Delay time: <2s

EtCO2(mainstream CO2)

Method: infrared Spectrum
 Range: 0.0-10% (0~76%)
 Resolution : 1mmHg (0.1%)
 Accuracy: <5%(±4.0mmHg)
 Or < 10%(of Readings)

Recorder:

Build-in, thermal array
 Plethysmogram waveform: 2 channels
 Record mode: manual, on alarm, time-defined
 Recording width: 50mm
 Printing speed: 50mm/s
 Recording type: Frozen waveform record

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