



M8000A

Multi-Parameter Patient Monitor



Physical Specifications

Size:318mm×264mm×152mm
Weight:4.5kg

Power Specifications

Input voltage:100V-240V AC
Frequency:50Hz/60Hz
Standard requirement: According to IEC 60601-1 and IEC 60601-1-2

Display

Type :Color TFT LCD
Size : 10.4"
Resolution:800×600 pixels or higher

Recorder

Type: Thermal dot array
Horizontal resolution:16 dots/mm (at 25 mm/s paper speed)
Vertical resolution:8 dots/mm
Paper width:50 mm
Paper length:15 m
Recording speed:12.5 mm/s, 25 mm/s, 50 mm/s
Recording waveform: Maximum 3 tracks

Battery

Type: Rechargeable Lithium ion battery, 11.1V/4.0AH
Operating time under the normal use and full charge:≥240 minutes (2 batteries for 480 minutes)

Data Storage

Trend data: Long trend: 168h, minimum resolution is 1min
: High resolution trend: 2h, minimum resolution is 5s
Parameter alarm event:128 groups of parameter alarm events and associated
ARR event:128 groups of ARR event and the associated waveform for each
waveform. NIBP measurement result :1000 groups

ECG

Lead type:3 lead: I, II, III
5 lead: I, II, III, aVR, aVL, aVF, Vx
Lead standard: AHA, IEC
Gain:2.5 mm/mV (×0.25) , 5 mm/mV (×0.5) , 10 mm/mV (×1) , 20 mm/mV (×2) , 40 mm/mV (×4) , Auto
CMRR: Diagnostic mode ≥ 89 dB
Monitor mode ≥ 105 dB
Surgery mode ≥ 105 dB
Input impedance:≥ 5.0 MΩ
ECG signal range:± 10.0 mV
Sweep speed: 12.5 mm/s, 25 mm/s, 50 mm/s
Protection: Breakdown Voltage 4000VAC 50Hz/60Hz. 60S

HR

Measurement range: Adult: 10 bpm to 300 bpm
Pediatric and Neonatal: 10 bpm to 350 bpm
Resolution:1 bpm
Accuracy:±1% or ±1 bpm, whichever is greater

Resp

Measurement method: Thoracic impedance
Lead :Selected from: (RA-LA) or (RA-LL); (Default:)
Gain:×0.25, ×1, ×2, ×4
Sweep speed:6.25mm/s, 12.5mm/s, 25mm/s
Measurement range:0 rpm to 150 rpm
Accuracy :±2 rpm
Delay of apnea alarm:10s, 15s, 20s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

NIBP

Measurement way:Automatic oscillometry
Measurement kinds:Sys, Dia, Map,PR
Pressure accuracy Static: ±3 mmHg
Clinic: : Average error: ±5 mmHg
standard deviation: s8 mmHg
Unit:mmHg, kPa
Overpressure protection: set by software and hardware.
Intervals for periodic measurement time:1min, 2min, 3min, 4min, 10min, 15min, 30min, 45min,60min, 90min, 120min,240min, 480min.
Work mode:Adult:Single, Cycle, STAT
:Pediatric:Single, Cycle, STAT
:Neonatal:Single, Cycle
PR range:40 bpm to 240 bpm

BLT SpO2

Measurement technic:Digital SpO2 technic
Measurement range:0% to 100%
Accuracy :70% to 100%: ±2%
0% to 69%: unspecified

PR

Measurement range:20bpm to 250 bpm
Accuracy :±1% or ±1 bpm, whichever is the greater

Nellcor SpO2

Measurement range:0% to 100%
Accuracy:70% to 100%: ±2% (adult/pediatric)
70% to 100%: ±3% (neonate)
0% to 69%, unspecified
Average time:8s, 16s

PR

Measurement range:20 bpm to 300 bpm
Accuracy:20 bpm to 250 bpm: ±3 bpm
251 bpm to 300 bpm: unspecified

Masimo SpO2

Measurement range:0% to 100%
Accuracy:70% to 100%: ±2% (adult/pediatric, non-motion conditions)
70% to 100%: ±3% (neonate, non-motion conditions)
70% to 100%: ±3% (motion conditions)
0% to 69%,unspecified

Average time:2-4s, 4-6s, 8s, 10s, 12s, 14s, 16s

PR

Measurement range:25 bpm to 240 bpm
Accuracy :±3 bpm (non-motion conditions)
±5 bpm (motion conditions)

Resolution:1 bpm

PI

Measurement range:0.05% to 20%

Temp

Measurement way:Thermal resistance way
Measurement Range:0.0℃~50.0℃ (32℉~122℉)
Measurement Accuracy:0.0℃-50.0℃: ±0.1℃ (not including the probe)
Unit:Centigrade (), Fahrenheit ()
Temperature probe type:YSI400 series probes or other compatible

IBP

Sensitivity of transducer:5uV/V/ mmHg, ±2%
Static pressure measurement range:-50 mmHg to +300 mmHg
Static pressure measurement accuracy:±4 mmHg or ±4% of the reading, whichever is the greater (including of transducer)
Dynamic pressure measurement range:-50 mmHg to +300mmHg
Dynamic pressure measurement accuracy:±4mmHg or ±4% of the reading, whichever is the greater
Unit:mmHg, kPa, cmH2O
Zero calibration of pressure:with
Kinds of Measurement:ART, PA, CVP, RAP, LAP, ICP

BLT Sidestream Co2

Measurement way:Infrared spectrum
Measurement range:0.0 % to 13.1 % (0 mmHg to 99.6 mmHg)
Unit :%, mmHg
Accuracy :<5.0 %, ±0.3 % (±2.0 mmHg)
≥5.0 %, <±10 % of the reading
Measurement range of awRR :0 rpm to 150 rpm

Mainstream CO2 module

Measurement range:0% to 19.7 % (0 mmHg to 150 mmHg)
Resolution:0.1% or 1mmHg
Rise time: <60ms
Unit:%, mmHg, kPa
Accuracy :0 mmHg to 40 mmHg, ±2 mmHg
41 mmHg to 70 mmHg, ±5% of reading
71 mmHg to 100 mmHg, ±8% of reading
101 mmHg to 150 mmHg, ±10% of reading
(760mmHg, temperature is 25℃):

Microstream Co2

Measurement range:0% to 19.7 % (0 mmHg to 150 mmHg)
Resolution:0.1% or 1 mmHg
Unit :%, mmHg, kPa
Accuracy:0 mmHg to 40 mmHg, ±2 mmHg
41 mmHg to 70 mmHg, ±5% of reading
71 mmHg to 100 mmHg, ±8% of reading
101 mmHg to 150 mmHg, ±10% of reading
(760mmHg, temperature is 25)
Sampling frequency gas: 50mL/min

Standard configuration

Touch Screen, 3/5 Lead ECG , HR, RESP, NIBP, SPO2, PR, 2-TEMP, Lithium Battery, 12V DC input

Option

2-IBP, Masimo SpO2, Nellcor SPO2, EtCO2 (Side Stream, Main Stream, Micro Stream), Thermal Recorder, WiFi module, VGA output.

* Specification subject to be changed without notice