



THE **YM1000** VITAL SIGNS MONITOR

Spot check & Continuous Monitoring

Progressive YM1000 Multi-Parameter
Spot check & Continuous monitoring

THE **YM1000** VITAL SIGNS MONITOR



Available parameters NIBP, SpO₂, Pulse rate, Temperature. Battery is included.
Optional cart and built-in printer.

Simple and straightforward. The Mediana vital signs monitor features are very short learning curve. Just 15 minutes look-over the quick guide, it explains everything how operate this well-designed monitor. And Mediana representative will provide complete service training for your convenience. Simple, push-button programming and a large digital display make argument-free when monitor is in use.



FEATURES

Night Panel

You can adjust the light intensification of the display.
You can achieve power saving effect and patient sleep well with dim light in the night.

Nurse Call State

Nurses can realize any alarm event.
This mode saves the trouble that you have to tend beside the patient.

Sound Mode

You can achieve the specific sound via Sound Mode.
You can select sound as 3 cases; full, mid and mute.
It can help the patient rest and reduce the noise in the ward.

Memory

You can review the stored patient data by viewing it on the monitor or by printing it.
You don't need to worry if you didn't write down the patient state before.
It can store 200 data and 24-hour old data will be automatically deleted.

Battery optional 6hrs battery

With this battery, you can transit the patient and use in the ambulance without power source.
Monitor contains 2hrs battery basically, and 6hrs battery is optional.

FRONT PANEL CONTROL AND CONNECTORS

- | | | |
|--------------------|----------------------------|--------------------------|
| ① Built-in Printer | ⑥ Review Button | ⑪ Temperature Covers |
| ② NIBP Connector | ⑦ Mode Button | ⑫ NIBP start/stop Button |
| ③ Print Button | ⑧ Up/Down Selection Button | ⑬ Alarm silence Button |
| ④ Alarm Button | ⑨ Temperature Sensor | |
| ⑤ Auto Button | ⑩ Power Button | |



ROLLING STAND



THE YM 1000 VITAL SIGNS MONITOR.

Used in all hospital areas and hospital-type facilities. It may be used during hospital transport and in mobile, land-based environments, such as ambulances, within the specification of the environmental characteristics.

FEATURES AND SPECIFICATIONS

Physical

Instrument

Dimensions 130×180×278 (mm) [H×D×W]
Weight 2.7(kg)

Electrical

AC Power Power 100Vac to 240Vac, 50 Hz/60 Hz, 28 to 38 VA
Battery Type Lead acid
Voltage/Capacity 6 V/ 4 Ampere-Hours
Recharge 12 hours
Complies with 91/157/EEC

Environmental

Operation

Temperature 10°C (50°F) to 40°C (104°F)
Exemption : thermometry module
- operating temperature 16°C (60°F) to 40°C (104°F)
Humidity 15% RH to 95% RH, non-condensing
Altitude 170m (557 ft) below sea level
4,877m (16,000 ft) above sea level

Transport Storage

Temperature -20°C (-4°F) to 50°C (122°F)
Humidity 15% RH to 95% RH, non-condensing
Altitude -610m (-2,000 ft) below sea level
12,192m (40,000 ft) above sea level

Note : The system may not meet its performance specifications if stored or used outside the manufacturer's specified temperature and humidity range.

Measurement Parameters

NIBP

Pulse Rate

Pulse Rate Range Adult/Pediatric : 40 BPM to 200 BPM
Neonatal : 40 BPM to 240 BPM
Pulse Rate Accuracy ± 2 BPM or $\pm 2\%$, whichever is greater

NIBP(Non-Invasive Blood Pressure)

Technique Oscillometric Measurement
Measurement modes AUTO, MANUAL and STAT
AUTO Mode Automatic NIBP measurements at intervals of 1,2,3,4, 5, 10, 15, 30, 45, 60, 90, 120 and 240 minutes
MANUAL Mode Single measurement initiated by NIBP Start/Stop button
STAT Mode Series of consecutive measurements for 5 minutes
NIBP pressure measurement range
Systolic pressure range Adult : 60 mmHg to 250 mmHg
Pediatric : 60 mmHg to 250 mmHg
Neonatal : 40 mmHg to 120 mmHg
Diastolic pressure range Adult : 40 mmHg to 200 mmHg
Pediatric : 40 mmHg to 200 mmHg
Neonatal : 20 mmHg to 90 mmHg
Mean pressure range Adult : 45 mmHg to 235 mmHg
Pediatric : 45 mmHg to 235 mmHg
Neonatal : 30 mmHg to 100 mmHg
Pressure Display Accuracy Meets ANSI/AAMI SP 10:2002 + A1 : 2003

Cuff Pressure Range 0 to 300 mmHg (0 to 40 kPa)

Initial Cuff Inflation Adult :

100, 120, 140, 160(Default), 180, 200, 220, 240, 270 mmHg
(13.3, 15.9, 18.6, 21.2(Default), 23.9, 26.6, 29.2, 31.9, 35.9 kPa)

Pediatric :

80, 90, 100, 110, 120(Default), 130, 140, 150, 160, 170 mmHg
(10.6, 11.9, 13.3, 14.6, 15.9(Default), 17.2, 18.6, 19.9, 21.2, 22.6 kPa)

Neonatal :

50, 60, 70, 80, 90(Default), 100, 110, 120, 132 mmHg
(6.6, 7.9, 9.3, 10.6, 11.9(Default), 13.3, 14.6, 15.9, 17.5 kPa)

Overpressure protector Adult/Pediatric : 300 mmHg(N.C), 330mmHg(S.F.C)
Neonatal : 150 mmHg(N.C), 165mmHg(S.F.C)

Standards ANSI/AAMI SP10:2002+A1:2003, IEC60601-2-30:1999
EN1060-1:1995 and EN1060-3:1997.

Note : Systolic and diastolic blood pressure measurements determined with this device are equivalent to those obtained by a trained observer using the cuff/stethoscope auscultation method, within the limits prescribed the American National Standard. Electronic or automated sphygmomanometers.

SpO2/Pulse Rate

%Saturation

Range 1% to 100%
Low Perfusion 0.03% to 20%
Accuracy Without Motion-Adults 70% to 100% ± 2 digits
1% to 69% unspecified
Without Motion-Neonate 70% to 100% ± 3 digits
1% to 69% unspecified
Low Perfusion 70% to 100% ± 2 digits
1% to 69% unspecified

Pulse Rate

Range 20 BPM to 300 BPM
Accuracy Without Motion 20 BPM to 300 BPM ± 3 digits
Low Perfusion 20 BPM to 300 BPM ± 3 digits

Standards EN865:1997

Neonate specifications are shown for neonate sensors with YM1000. Saturation accuracy will vary by sensor type recommended by the manufacturer. Specification applies to monitor performance and was validated with Biotek and Nellcor simulators

Temperature

Probe Type Thermistor probe
Range 26°C to 43°C (80°F to 110°F)
Display Accuracy $\pm 0.1^\circ\text{C} (\pm 0.2^\circ\text{F})$
Measurement units $^\circ\text{C}$, $^\circ\text{F}$
Measurement modes Predictive, Monitored
Predictive Mode One-time measurement in a single temperature reading which is displayed at the end of the brief measurement period
Monitored Mode Continuous measurement over an indefinite period.
Standards ASTM E1112-00, EN12470-3

Ordering Information

N NIBP only (included Pulse Rate and MAP)
Standard NIBP+Pulse Rate
NP NIBP / Printer
NT NIBP / Temperature
NTP NIBP / Temperature / Printer
NS NIBP / SpO2
NSP NIBP / SpO2 / Printer
NST NIBP / SpO2 / Temperature
NSTP NIBP / SpO2 / Temperature / Printer



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