



Committed to Excellence

12.1" color TFT LCD display, flat and wide. Inexpensive and reliable device

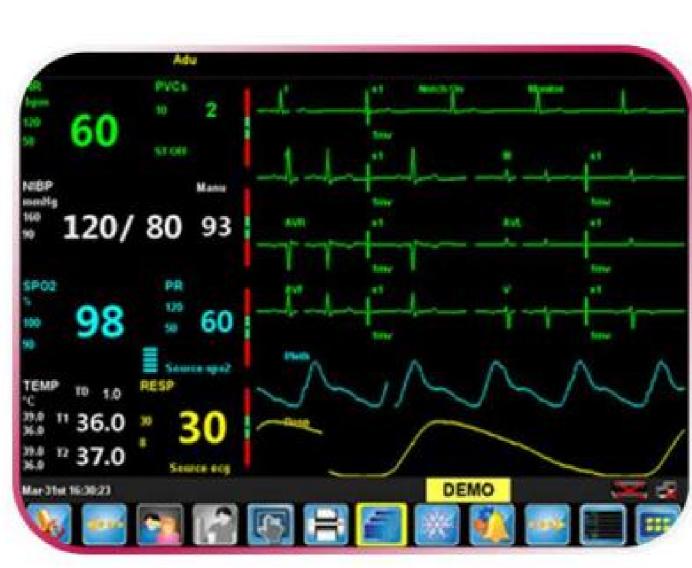
# basic configuration

# optional features

ECG+ Sp02 + Non-Invasive Pressure (NIBP) + 2 temperature sensors + ventilation; lithium ion battery

Pulse Oximetry (SpO2) Masimo, Invasive Pressure (IP), Capnography (CO2), Thermal Imprint, Touch Screen, Central Monitoring System (CMS)





7-lead ECG



Tabular and graphic representation of trends





# Virgo multiparameter monitor











Precise monitoring of hemodynamics, anesthetic dose, oxygenation and ventilation

- pacemaker detection
- Analysis of the ST segment and arrhythmias
- oxycardiorespirography
- Night mode, sleep mode, venipuncture mode



- Central monitoring system (CMS) with wired or wireless connection to the hospital information system (HIS), compatible with the HL7 protocol
- Multifrequency measurement of SpO2 (sonication)
- Modified Early Warning Score (MEWS)
- Tabular and graphic representation of trends (120 hours)
- rechargeable lithium ion battery
- Viewing the complete ECG record of each patient in a 48 hour period

#### Screen:

12.1" TFT LCD screen

Resolution: 800 x 600 (1024 x 768 [optional])

Number of strokes: 8; up to 12 leads on ECG Dimensions: 310

x 292 x 174 mm (W x H x D)

Weight: <4 kg with standard configuration LAN: 1

RJ45 port WLAN standard: IEEE 802.11 b/g/n protocols USB: 2 USB ports

Leads: 3, 5, 12 (optional) ECG recording: 2, 7 or 12 channels Measurement sensitivity: 2.5 mm/

mV (x0.25); 5mm/mV (x0.5); 10mm/mV

(x1.0); 20mm/mV (x2.0)

Wave recording speed: 3.125 mm/s; 6.25mm/s; 12.5mm/s; 25mm/s; 50mm/s

Bandwidth: Diagnostic Mode: 0.05 Hz-100 Hz Monitoring mode: 0.5Hz-40Hz

Surgical mode: 1 Hz-20 Hz Intense filtered mode: 5 Hz-20 Hz

Common Mode Rejection Ratio (CMRR): >100 dB Bandstop Filter: The bandstop filter (50/60 Hz) can be turned

on or off.

Differential input impedance >5 M Electrochemical polarization voltage: ±400 mV Heart rate (HR) range: 0-150 bpm ST segment measurement range: -1.0 to +10 mV

Initial polarity recovery time: <3 s after debrillation (in surgical and monitoring modes)

## heart rate

Range: 30-300 bpm Resolution: 1 bpm ±2

Accuracy: bpm (at rest);

±5 bpm (in motion)

Update rate: 1 s

Measurement method: Thoracic electrical bioimpedance

Operating modes: Automatic/Manual Measuring electrode: electrode I, II

Measurement interval: Adults 0-120 rpm

Children/Neonates: 0-150 rpm

Resolution: 1rpm

Apnea alarm delay: 10 s, 15 s, 20 s, 25 s, 30 s, 35 s, 40 s

Wave amplification: x0.25; x0.5; x1; x2 Breathing Impedance Range: 0.5-5 Initial impedance: 500-4000 Magnification: 10 degrees Measurement speed: 3.125

mm/s; 6.25mm/s; 12.5mm/s; 25mm/s

Accuracy: ±0.1°C or ±0.2°F

Measurement range: 5-50°C (41-122°F)

Resolution: 0.1°C

Parameters: T1, T2 and TD

## on No

Measurement method: automatic oscillometry Operating mode: manual, automatic, continuous

Measurement unit: mmHg and kPa can be chosen

Typical measurement time: 20-40 s

Measurement type: systolic, diastolic and average blood pressure

Measurement interval (mmHg) Systolic blood pressure interval:

Children 40-200

Neonates 40-135

Adults 40-280

Diastolic blood pressure interval: Adults 10-210

Children 10-150 Neonates 10-95

Average Voltage Range:

Adults 20-230 Children 20-165 Neonates 20-105

Measurement accuracy

Maximum error of the mean: ±5 mmHg Maximum standard deviation: 8 mmHg

Resolution: 1mmHg

Interval: 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 180, 240, 480 min

Protection against excess pressure: double

protection (software and hardware) Blood pressure monitor pressure range: 0-300 mmHg

Measurement range: 0-100%

Resolution: 1%

Perfusion index measurement

Accuracy: ±2% (70-100%, adult/pediatric patients); ±3% (70-100%, neonates); 0-69%

(not specified)

Update rate: 1 s

Measurement range: 0-100%

Resolution: 1%

Accuracy: ±2% (70-100%, adult/pediatric patients,

at rest, low perfusion); ±3%

(70-100%, neonates, at rest); ±3% (70-100%,

moving); 0-69% (not specified)

Update rate: 1 s

## Invasive pressure (optional)

Channels: 2 or 4 channels

Intra-arterial: 0 to 300 mmHg Pulmonary artery: -6 to 120 mmHg

CVP/PAD/PAI/PI: -10 to 40 mmHg

Measurement range: P1/P2 -50 to 300 mmHg

Resolution: 1mmHg

Accuracy:

±2% or ±1 mmHg, whichever is greater (without sensor)

Sensitivity: 5µV/mmHg/V Impedance range: 300 to 3000

 $\Omega$ 

built-in, thermal

Horizontal resolution: 16 dots/mm (print speed: 25 mm/s)

Vertical resolution: 8 dots/mm

Print speed: 25mm/s; 50mm/s Number of measurement channels: 3

Power: AC 100-250V, 50-60Hz Temperature: 5-40°C Humidity: <80%

Patients: adults, children and neonates

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