Neonatal Incubator









NEONATAL INTENSIVE CARE INCUBATOR

Built-In Color TFT Touch Screen Display

Intensive care incubator is used with a 7 inch color TFT touch screen display. This feature allows easy monitoring and correct entry of operation commands to the incubator. Guiding explanations that pop-up over the screen and animations allow incubator to be used effectively in a short period of time.



Color TFT Touch Screen Side Display (Optional)

can be controlled and monitored over a 10.1 inch side display. The large side display allows user to see the intense data such as Masimo Rainbow SET pulse oximeter (SPO) and non-invasive blood pressure measurement (NIBP) more easily.

Temperature Mode

Clinicians can easily set desired temperature value by selecting air or skin mode on the touch screen display. In the event that set values are out of range, the system generates an audible and a visual warning. In addition to this if air temperature increases too much, the system warns clinicians by an audible and a visual alarm and automatically shuts off the heater down.

Patented Servo Humidity System

Humidity conditions which has vital importance for newborn can be maintained quickly, effectively and reliably by patented humidity system. Use of hot steam technology and complete removal and autoclavable of the humidity system increases hygiene and overall safety of the incubator.

Trend Observation

Clinicians can observe all air and skin temperatures, humidity and oxygen levels, the weight of the baby, and the heater power of the incubator over both displays for 2 hours, 8 hours, 1 day and 7 days period. It is possible to see 1 day and 7 days trends with 1 minute resolution on side display.

Servo Oxygen System (Optional)

Silent operation, which increases sound level of the incubator. Monitoring continuously against oxygen leakage, even though there are no set values.

Integrated Digital Scale (Optional)

Weighing scale was designed considering safety and comfort of the baby. Just lifting the baby inside the canopy for a few seconds is enough to tare, then system performs weighing operations when baby lowered. Operation stages can be guided by animation from the screen with sound.











Digital Scale Instructions



Electronic Height Adjustment (Optional)

Clinician can adjust the height of incubator by using "lift" and "lower" pedals for a comfortable working height. Lifting and lowering operations can be made silently without vibration and without disturbing baby by means of motor. This operation can be implemented by foot pedals from front and rear side of the incubator.

Pulse-Oximeter (Optional)

Uses the most advanced Masimo Rainbow SET SpO technology. The advantage of this set is that it is also possible to measure perfusion index (PI) and pleth variability index (PVI), total hemoglobin (SpHb) methemoglobin (SpMet) carboxyhemo-globin (SpCO) values without taking blood samples from the newborn (Non-Invasive). This way the clinicians can reach accurate data by the help of TendeVAV which is the rst implementer of Masimo Rainbow SET Technology in an incubator in the world.

NIBP (Non-Invasive Blood Pressure Measurement) (Optional)

Blood pressures and pulse values for baby can be measured with determined time intervals. Clinicians can determine set values and activate audible and visual alarms.

Mom's Bosom Mode & Air Curtain

When baby should be taken out for breast feeding, skin temperature can be measured by selecting "Mom's Bosom Mode". Air Curtain can be activated in order to keep the hot air in the incubator.

Rotatable Drawers

Has one big and two small 360° rotatable drawers that can be accessed from front and right or left side of the incubator. This feature makes the drawers silent and accessible from sides of the incubator easily even the front and door is open.

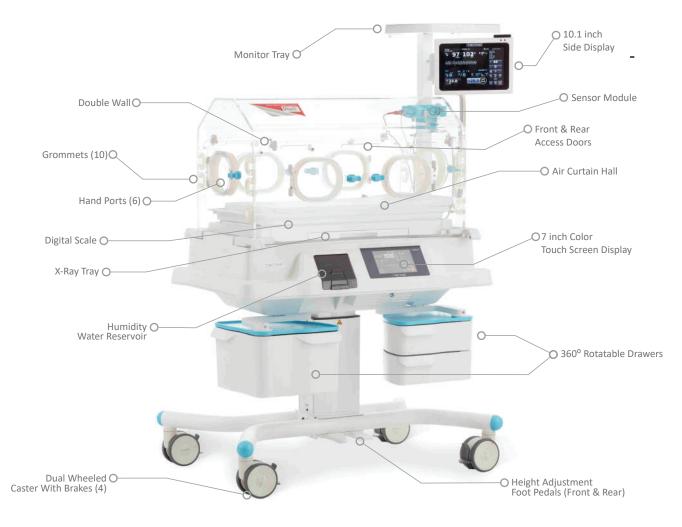


Sensor Module



Side Display







Technical Specifications

SENERAL SPECIFICATIONS	
Built-in Display	7 inch Color TFT Touch Screen Display
Side Display (Optional)	10.1 inch Color TFT Touch Screen Side Display
Sizes	Height (Standard): 137.5 cm, Width: 108.5 cm, Depth: 73.5 cm
Electronic Height Adjustment (E-Base) (Optional)	Min. 134 cm Max. 153 cm Standard;107.5 Kg, with Height Adjustment (E-Base)Option; 111.5 Kg
Veight Vheels	4 Dual Wheeled Casters with Friction Brake (Diameter: 125 mm)
Aonitorization Backup	Minimum 1 Hour Monitorization After Power Failure
Alarm Sound Level	Adjustable 4 Levels
Power Requirement	220-240V ± %10, 50/60 Hz, Max 675 W
DPERATING CONDITIONS	
Temperature	18°C to 30°C
lumidity	0% to 80% (Noncondensing Relative Humidity)
IOOD SPECIFICATIONS	
Double Wall	Yes
Front and Rear Access Doors	Width; 85.5 cm x Height; 35.3 cm (Each Doors)
Mattress	Biocompatible, Cytotoxicity and Skin Irritation Free, Fire Retarded,
	Water Proof & Washable (ISO 10993-10 Sensitivity Reported, ISO 10993-5)
Mattress Size	Length; 74 cm x Width; 38 cm x Height; 3 cm
Mattress Tilt (Electronic Control)	± 12 Degrees, Continuously Variable with 1 Degree Resolution
land Ports	6 Pcs
Tubing Ports (Grommets)	10 Grommets
Opening Angle of the Doors/Ports	~180°
Operating Noise Level	< 45 dBA (When Servo Oxygen in Use Max 48 dBA)
Nir Flow Velocity Nir Filter	< 10 cm/s
ir Filter ir Curtain	0.1 Micron, 99.9% Efficiency, Antibacterial, Easy replaceable Yes
CO₂ Concentration	Yes < 0.5%
	 √.J/u
EMPERATURE	
Temperature Control Modes	Air & Skin
Air Temperature Control	20°C to 39°C with 0.1°C Resolution (> 37° C with Approval)
Skin 1 Temperature Control	34° C to 38° C with 0.1°C Resolution (> 37.5° C with Approval)
Air & Skin 1 - Skin 2 Temperature Display Range	20°C to 42°C with 0.1°C Resolution < 35 Minutes
lemperature Rise Time Heater Output Indication	< 35 Minutes 0% to 100% (in 5 levels)
	0/0 to 100/0 (iii 0 ieveis)
ERVO HUMIDITY	
Humidity Control Range	30% to 95% with 1% Resolution
Humidity Display Range	0% to 100% with 1% Resolution, Accuracy ±10%
Iumidity Water Reservoir Capacity	2000 ml
Iumidity Operating Time Without Refilling	24 Hours Max. 95% Humidity
SERVO OXYGEN (OPTIONAL)	24 Hours Max. 95% Humidity
SERVO OXYGEN (OPTIONAL) Dxygen Control Range	21% to 65% with 1% Resolution
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range	
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range	21% to 65% with 1% Resolution
SERVO OXYGEN (OPTIONAL)	21% to 65% with 1% Resolution
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Display Resolution	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr)
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Display Resolution	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Display Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) ipO2 Display Range Pulse Rate Display Range	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO ₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Display Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range Pulse Rate Display Range Pl, Arterial Pulse Signal Strength	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Display Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range 'ulse Rate Display Range 'ulse House Signal Strength VVI, Pleth Variability Index	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Jisplay Resolution SPO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range Pulse Rate Display Range SpO2 Display Range Pulse Rate Display Range SpO2 Display Range Pulse Signal Strength SpO4, Methemoglobin Saturation	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100%
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Jisplay Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range Pulse Rate Display Rate Dis	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100%
ERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Display Resolution pO2 & PULSE OPTION (Masimo Rainbow SET) pO2 Display Range Use Rate Display Range Dy Display Range Use Rate Display Range Dy Display Range Use Rate Display Range Dy Display Range Dy Display Range Dy Display Range Use Rate Display Range Use Rate Display Range Dy Display Range Display Range	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100%
ERVO OXYGEN (OPTIONAL) Daygen Control Range Daygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Display Resolution pO2 & PULSE OPTION (Masimo Rainbow SET) pO2 Display Range ulse Rate Display Range ulse Rate Display Range ulse Rate Display Range ulse Rate Display Range Use Rate Display Range Development Staturation pMet, Methemoglobin Saturation pHb, Total Hemoglobin Concentration in Arterial Blood	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100%
ERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Display Resolution bpO2 bpD3 Display Range 'I, Arterial Pulse Signal Strength 'VI, Pleth Variability Index pMet, Methemoglobin Saturation pCD, Carboxyhemoglobin Saturation pHb, Total Hemoglobin Concentration in Arterial Blood VIBP OPTION (Method of Measurement; Oscillometric) Plood Pressure Range	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Accuracy Weight Display Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range VI, Pieth Variability Index SpMet, Methemoglobin Saturation SpDC, Carboxyhemoglobin Concentration in Arterial Blood VIBP OPTION (Method of Measurement; Oscillometric) Slood Pressure	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO ₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C)
ERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Display Resolution PO2 & PULSE OPTION (Masimo Rainbow SET) PO2 Display Range USE Rate Display Range Display Rate Display Range Use Rate Display Rate	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Display Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range Pulse Rate Display Rate Display Range Pulse Rate Display Rate Dis	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Display Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) ipO2 Display Range 'ulse Rate Display Range 'ulse Rate Display Range 'ulse Rate Display Range 'ulse Kate Display Range 'ulse Rate Matter Display Range PVI, Pleth Variability Index 'pMet, Methemoglobin Saturation 'pHb, Total Hemoglobin Concentration in Arterial Blood VIBP OPTION (Method of Measurement; Oscillometric) Blood Pressure Range 'Liff Deflate Rate nitial Inflation Pressure Guiff Adjusting Inflation Pressure	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg
ERVO OXYGEN (OPTIONAL) Daygen Control Range Daygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Display Resolution pO2 & PULSE OPTION (Masimo Rainbow SET) pO2 Display Range Ulse Rate Display Range Ulse Rate Display Range Ulse Rate Display Range Ulse Kate Display Range Ulse Content of the Content of	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO ₂ with 1% Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013
ERVO OXYGEN (OPTIONAL) Daygen Control Range Daygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Display Range Veight Display Resolution pO2 & PULSE OPTION (Masimo Rainbow SET) pO2 Display Range Ulse Rate Display Range Ulse Rate Display Range Comparison of the Comparison of the Co	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds
ERVO OXYGEN (OPTIONAL) Daygen Control Range Daygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Display Resolution pO_2 & PULSE OPTION (Masimo Rainbow SET) pO_2 Display Range Use Rate Display Range Display Rang	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO ₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013
ERVO OXYGEN (OPTIONAL) Daygen Control Range Daygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Display Resolution pO_2 & PULSE OPTION (Masimo Rainbow SET) pO_2 Display Range ulse Rate Display Range ulse Rate Display Range ulse Rate Display Range ulse Rate Display Range U, Arterial Pulse Signal Strength VI, Pleth Variability Index pMet, Methemoglobin Saturation pCO, Carboxyhemoglobin Saturation ptD, Total Hemoglobin Concentration in Arterial Blood IIBP OPTION (Method of Measurement; Oscillometric) vido Pressure Range uff Pressure fuff Deflate Rate nitial Inflation Pressure elf-Adjusting Inflation Pressure elf-Adjusting Inflation Pressure linical Accuracy (Meets accuracy requirements of) tartup Initialization Period ong Term Interval Periods REND PARAMETERS	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO ₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes
ERVO OXYGEN (OPTIONAL) Ixygen Control Range Ixygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Display Resolution PO_2 & PULSE OPTION (Masimo Rainbow SET) PO_2 Display Range ulse Rate Display Range ulse Rate Display Range ulse Rate Display Range ulse Rate Display Range U, Arterial Pulse Signal Strength VI, Pleth Variability Index pMet, Methemoglobin Saturation pCO, Carboxyhemoglobin Saturation ptD, Total Hemoglobin Concentration in Arterial Blood IIBP OPTION (Method of Measurement; Oscillometric) lood Pressure Range uff Deflate Rate nitial Inflation Pressure elf-Adjusting Inflation Pressure elf-Adjusting Inflation Pressure linical Accuracy (Meets accuracy requirements of) tartup Initialization Period ong Term Interval Periods REND PARAMETERS	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% Sp02 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity
ERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Veight Range Veight Accuracy Veight Accuracy Veight Accuracy Veight Accuracy Veight Display Resolution DQ2 & PULSE OPTION (Masimo Rainbow SET) pO2 Display Range 'I, Arterial Pulse Signal Strength 'VI, Pleth Variability Index pMet, Methemoglobin Saturation pCO, Carboxyhemoglobin Saturation pHD, Total Hemoglobin Concentration in Arterial Blood JIBP OPTION (Method of Measurement; Oscillometric) Nodor Pressure Range Cuff Pressure Uif Deflate Rate elf-Adjusting Inflation Pressure elf-Adjusting Inflation Pressure Clinical Accuracy (Meets accuracy requirements of) tartup Initialization Period ong Term Interval Periods REND PARAMETERS , 8, 24, 168 hours (7 Days) Trend Parameters for	21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO ₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Accuracy Weight Accuracy Weight Display Resolution DQ2 & PULSE OPTION (Masimo Rainbow SET) ipO2 Display Range 'ulse Rate Display Range 'ulse Control Massion Rainbow SET) ipO2 Constant Range 'ulse Portion (Method of Measurement; Oscillometric) Blood Pressure Range 'ulf Perssure Range 'ulf Pressure Range 'ulf Pressure Range 'ulf Persure Range 'ulf Pressure Range 'ulf	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity Oxygen Concentration, Weight, Heater Power, NIBP
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Display Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range Pulse Rate Display Rate Display Range Pulse Rate Display Rate Dis	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution O to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values O to 100 Values O% to 100% O% to 100% O% to 100% O% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Accuracy Weight Jisplay Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range PL Arterial Pulse Signal Strength PULSE Rate Display Range PL, Arterial Pulse Signal Strength PUL, Pleth Variability Index SpMet, Methemoglobin Saturation SpOC, Carboxyhemoglobin Saturation SpOC, Carboxyhemoglobin Saturation SpOC, Carboxyhemoglobin Saturation SpHb, Total Hemoglobin Concentration in Arterial Blood NIBP OPTION (Method of Measurement; Oscillometric) Slood Pressure Range Suff Deflate Rate Initial Inflation Pressure Elif-Adjusting Inflation Pressure Elincial Accuracy (Meets accuracy requirements of) Startup Initialization Period .ong Term Interval Periods REND PARAMETERS , 8, 24, 168 hours (7 Days) Trend Parameters for ALARMS (Audible & Visual) Nir	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity Oxygen Concentration, Weight, Heater Power, NIBP High/Low Temp., Over Temp., Sensor Failure High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected
ERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Display Range Weight Display Resolution Do2 & PULSE OPTION (Masimo Rainbow SET) Display Range PUSE Rate Display Range PUSE Rate Rate PUSE Rate Rate PUSE Rate Rate PUSE Rate Rate PUSE Rate PUSE Rate PUSE RATE PUSE Rate PUSE RATE RATE PUSE RATE PUSE RATE RATE PUSE RATE PUSE RATE RATE PUSE RATE RATE RATE RATE PUSE RATE RATE RATE RATE RATE RATE RATE RAT	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution O to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values O to 100 Values O% to 100% O% to 100% O% to 100% O% to 100% O% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity Oxygen Concentration, Weight, Heater Power, NIBP High/Low Temp., Over Temp., Sensor Failure High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Temp., Low Water Level, Place Water Case, Humidity Sensor Fault
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Jisplay Resolution SpO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range Pulse Rate Display Rate Dis	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 100% 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity Oxygen Concentration, Weight, Heater Power, NIBP High/Low Temp., Over Temp., Sensor Failure High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Yangen System Fault, Oxygen Sensor Fault
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Jisplay Resolution SpO ₂ & PULSE OPTION (Masimo Rainbow SET) SpO ₂ Display Range PL Arterial Pulse Signal Strength PL, Arterial Pulse Signal Strength PTION (Method of Measurement; Oscillometric) Slood Pressure Range Cuff Pressure Cuff Deflate Rate Initial Inflation Pressure Elif-Adjusting Inflation Pressure Clinical Accuracy (Meets accuracy requirements of) Startup Initialization Period REND PARAMETERS , 8, 24, 168 hours (7 Days) Trend Parameters for ALARMS (Audible & Visual) Nir Skin 1 (In Skin Mode) -tumidity Dxygen	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity Oxygen Concentration, Weight, Heater Power, NIBP High/Low Temp., Over Temp., Sensor Failure High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Ware Level, Place Water Case, Humidity Sensor Fault High/Low Oxygen, Oxygen System Fault, Oxygen Sensor Fault High/Low Rayen
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Display Range Weight Display Resolution SPO2 & PULSE OPTION (Masimo Rainbow SET) SpO2 Display Range Pulse Rate Rate NIEP OPTION (Method of Measurement; Oscillometric) Blood Pressure Range Pulse Rate Pulse Rate Pulse Rate Pulse Rate Pulse Rate Pulse Rate Pulse Rate REND PARAMETERS , 8, 24, 168 hours (7 Days) Trend Parameters for ALARMS (Audible & Visual) Air Sikin 1 (In Skin Mode) Humidity Dxygen SpO2, Pulse Rate	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO₂ with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 15% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity Oxygen Concentration, Weight, Heater Power, NIBP High/Low Temp., Over Temp., Sensor Failure High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Values, Related Security Alarms
SERVO OXYGEN (OPTIONAL) Dxygen Control Range Dxygen Display Range NTEGRATED DIGITAL SCALE (OPTIONAL) Weight Range Weight Accuracy Weight Jisplay Resolution SpO ₂ & PULSE OPTION (Masimo Rainbow SET) SpO ₂ Display Range PL Arterial Pulse Signal Strength PL, Arterial Pulse Signal Strength PTION (Method of Measurement; Oscillometric) Slood Pressure Range Cuff Pressure Cuff Deflate Rate Initial Inflation Pressure Elif-Adjusting Inflation Pressure Clinical Accuracy (Meets accuracy requirements of) Startup Initialization Period REND PARAMETERS , 8, 24, 168 hours (7 Days) Trend Parameters for ALARMS (Audible & Visual) Nir Skin 1 (In Skin Mode) -tumidity Dxygen	 21% to 65% with 1% Resolution 15% to 100% with 1% Resolution 100 gr to 10 kg (10,000 gr) ± 5gr 1 gr 0-100% SpO2 with 1% Resolution 0 to 240 bpm with 1 bpm Resolution Perfusion Index 0 to 20 Values 0 to 100 Values 0% to 100% 0% to 25% g/dL, 0% to 16% mmol/L Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50 °C) Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume 90 mmHg (Default), Variable from 60 to 140 mmHg Previous Systolic + 20 mmHg ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013 6 Seconds 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes Air Temperature, Skin Temperature (Skin 1 and Skin 2), Relative Humidity Oxygen Concentration, Weight, Heater Power, NIBP High/Low Temp., Over Temp., Sensor Failure High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Temp., Over Temp., Skin 1 Read Fault, Skin 1 Disconnected High/Low Ware Level, Place Water Case, Humidity Sensor Fault High/Low Oxygen, Oxygen System Fault, Oxygen Sensor Fault High/Low Rayen







MEDSURGE HEALTHCARE LIMITED

MUSEUM HILL CENTRE, MUSEUM ROAD P.O. BOX 75534 00200 NAIROBI, KENYA Tel: 0720 714 337 Email: info@medsurgehealth.co.ke Web: www.medsurgehealth.co.ke

