

TENDE[®] VAV-IW

INFANT RADIANT WARMER



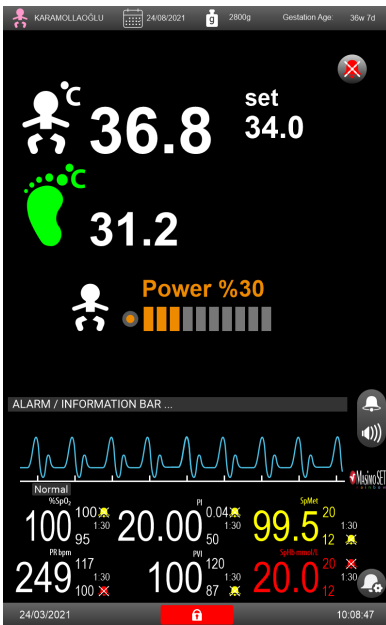
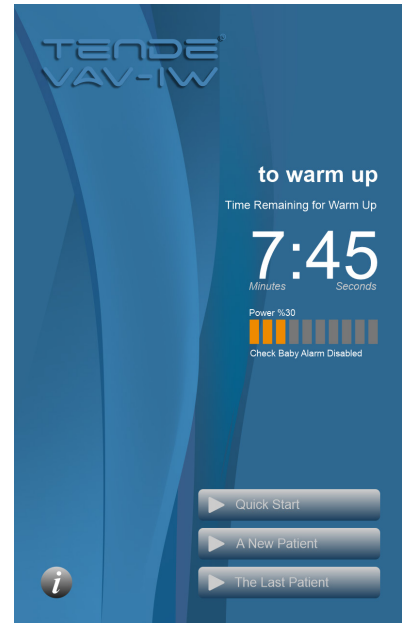
Tende VAV-IW,

Infant Warmer is a comprehensive infant care system that also supports the clinicians with its advanced algorithm and utmost automation feature to begin to act instantly when necessary.

Color TFT Touch Screen Display

Tende VAV-IW, Infant Radiant Warmer, provides users with accurate, effective and fast operation and easy monitoring of patient data with 12.1 inch color TFT touch screen with graphics, animations and detailed explanations.

With the 12.1 inch screen, users can easily observe intense data such as the Masimo Rainbow SET pulse oximeter (SpO2) and non-invasive blood pressure measurement (NIBP). With the Easy Mute feature, the clinician's alarms that occur during the procedure are silenced with just a hand gesture without touch.



Lighting

Clinicians have the opportunity to observe the baby by using examination lighting and/or spot lighting according to their needs.

Electronic Mattress Tilt (Trendelenburg)

The user can easily adjust the inclination of the bed electronically without manpower on the color touch screen. This process, which is done silently and without vibration, does not disturb the baby. The fact that the bed can be brought to the horizontal position with a single button enables the clinician to reach the baby without wasting time.



Membrane Control Panel

The clinician can easily give commands and monitor data with membrane keys on the control panel suitable for usage habits.

360° Rotatable Bed

The 360° rotatable mattress and the heater unit that can be rotated in both directions allow surgical operations and x-rays imaging to be performed easily.

Large Drawers

Tende VAV-IW has a large drawer with an organizer that can be accessed from the right and left sides of the infant warmer.



CONFIGURABLE STRUCTURE

Tende VAV-IW, Infant Warmer can be configurable from the basic model to advanced features like resuscitator, air/oxygen blender, suction module, height adjustment, phototherapy, pulse oximeter, NIBP, digital scale.

Resuscitator (Optional)

The newborn can have consistent PIP and PEEP values for efficient oxygenation. There are two more option Air/Oxygen Blender and Suction Module

Integrated Wireless Digital Scale (Optional)

Tende VAV-IW high sensitive weighing scale was designed considering the safety and comfort of the infant. Just lifting the newborn for a few seconds is enough to tare, then the system performs weighing operations when the infant lowered. Operation stages can be guided by animation from the screen with sound.

NIBP (Optional)

NIBP (Non-Invasive Blood Pressure Measurement); Blood pressure and pulse values for a infant can be measured with determined time intervals. Clinicians can determine set values and activate audible and visual alarms.

Pulse-Oximeter (Optional)

Tende VAV-IW uses the most advanced Masimo Rainbow SET SpO2 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) carboxyhemoglobin (SpCO) values without taking blood samples from the newborn (Non-Invasive).

Electronic Height Adjustment (Optional)

Clinicians can adjust the height of the infant warmer for a comfortable working height. Lifting and lowering operations can be made silently without vibration and without disturbing the newborn by means of the motor which is specially produced for Tende VAV-IW. This operation can be implemented by foot pedals from both sides of the infant warmer.



GENERAL SPECIFICATIONS

Display	12.1 inch Color TFT Touch Screen Display
Sizes	Height (Standard): 182 cm, Width: 63 cm, Depth: 115 cm
Electronic Height Adjustment	Mattress Height; Min. 90 cm (± 1cm) Max. 110 cm (± 1cm)
Weight	Standard;120 Kg, (Without options)
Wheels	4 Dual Wheeled Casters with All Friction Brake (Diameter: 125 mm)
Monitorization Backup	Monitorization After Power Failure (Min. 20 Minutes)
Alarm Sound Level Adjustment	Yes
Power Requirement	220-240V ± 10%, 50/60 Hz

OPERATING CONDITIONS

Temperature	15°C to 40°C
Humidity	0% to 90% (Noncondensing Relative Humidity)

MODES

Prewarm Mode	Adjustable & No Alarms
Baby Mode	Automated
Manuel Mode	User Controlled

BASSINET SPECIFICATIONS

Mattress	Biocompatible, Cytotoxicity and Skin Irritation Free, Fire Retarded, Water Proof & Washable (ISO 10993-10 Sensitivity Reported, ISO 10993-5)
Mattress Size	Length; 72 cm x Width; 55 cm x Height; 3 cm
Mattress Tilt (Electronic Control)	+ 15° to -12°, Continuously Variable
Rotatable Bed	360°
Grommets	4 Pcs
Drawer	Large drawer with organizer and file holder (Two way opening)
Tube Holders	Yes (2pcs)(Optional)
IV Pole & Monitor Table	Yes

HEATER & TEMPERATURE

Auto Heater	Yes
Temperature Gauge	15°C - 42°C
Skin Temperature Control	34°C to 38°C with 0.1°C Resolution (>37°C with confirm)
Seramic Heater Life Time	> 20,000 Hours

OTHER FEATURES

Timer	Patented; Timer & Countdown (Timer also APGAR, CPR ...)
Examination Lamp (LED)	Yes
Spot Examination Lamp (LED)	Yes
APGAR Timer	Yes
Heater Head Rotation	Yes 180°

LED PHOTOTHERAPY (OPTIONAL)

Light Source	Blue LED (20 pcs, Super Bright LED)
Wavelength	460nm (± 2%)
LED Life Time	> 70,000 Hours (Check the user manual for technical details)
Light Intensity (Standard)	Adjustable

RESUSCITATION MODULE (OPTIONAL)

Peak Inspiration Pressure (PIP)	Yes
Positive-end Expiratory Pressure(PEEP)	Yes
Flow Capacity	Yes
Airway Pressure Manometer	Yes

AIR/O2 BLENDER

Range	Yes, Optional
Accuracy	21-100 %O2
Flowmeter Range	± 3% full scale
	0-15 lpm

SUCTION

Waste Jar Capacity	Yes, Optional
	500 ml

INTEGRATED DIGITAL SCALE (OPTIONAL)

Weight Range	100 gr to 10 kg (10,000 gr)
Weight Accuracy	± 5gr
Weight Display Resolution	1 gr

SpO2 & PULSE OPTION (Masimo Rainbow SET)

SpO2 Display Range	0-100% SpO2 with 1% Resolution
Pulse Rate Display Range	0 to 240 BPM with 1 BPM Resolution
PI, Arterial Pulse Signal Strength	Perfusion Index 0 to 20 Values
PVI, Pleth Variability Index	0 to 100 Values
SpMet, Methemoglobin Saturation	0% to 100%
SpCO, Carboxyhemoglobin Saturation	0% to 100%
SpHb, Total Hemoglobin Concentration in Arterial Blood	0% to 25% g/dL, 0% to 16% mmol/L
ORi, Oxygen Reserve Index	0.00 to 1.00 Values

NIBP OPTION (Method of Measurement; Oscillometric)

Blood Pressure Range	Systolic 40-130 mmHg, MAP 26-110 mmHg, Diastolic 20-100mmHg
Cuff Pressure	Measurement Range; 0-300 mmHg, Accuracy; ± 3 mmHg (0-50°C)
Cuff Deflate Rate	Deflation Step Size Varies with Heart Rate, Cuff Pressure and Cuff Volume
Initial Inflation Pressure	90 mmHg (Default), Variable from 60 to 140 mmHg
Self-Adjusting Inflation Pressure	Previous Systolic + 20 mmHg
Clinical Accuracy (Meets accuracy requirements of...)	ANSI/AAMI SP10:2002(R)2008, EN1060-4:2004 and ISO 81060-2:2009/2013
Startup Initialization Period	6 Seconds
Long Term Interval Periods	1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240 Minutes

TREND PARAMETERS

2, 8, 24, 168 hours (7 Days) Trend Parameters for...	Skin Temperature , Weight, Heater Power, NIBP
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ALARMS (Audible & Visual)

Baby Check Alarm	Yes
Skin (In Baby Mode)	High/Low Temp., Over Temp., Skin Probe Read Fault, Skin Probe Disconnected
SpO2, Pulse Rate	High/Low Values, Related Security Alarms
Others	Heater Temp. Fault, Power, Low Battery, Excess Weight, System Failure etc.