

**Ready To Go**



**TENDE<sup>®</sup>**  
**VAV-TR<sup>®</sup>**  
INTENSIVE CARE  
TRANSPORT INCUBATOR



Using the innovative technology in combination with ergonomic design, Tende has developed a powerful device VAV-TR for maintaining a safe environment for the transportation of newborns.



### Smart & Flexible Power Supply

Tende VAV-TR supports different power supply options. It can be operated by AC network, external DC network power supply, or by integrated battery. This device can operate for a minimum of two hours with a single battery and a minimum of four hours with a double battery.

### Humidification

Tende VAV-TR has a passive humidification system that can maintain a 50-60% humidity ratio for approximately 8 hours using 250 ml of water from a disposable sponge.



### Control Panel

Tende VAV-TR has an ergonomic control panel supported by a microprocessor. All parameters can be monitored easily on the LED display and all needed adjustments can be made by using membrane keys placed on the control panel.

### Temperature Control Modes

Both air and skin temperature can be controlled and monitored on an LED display at the same time.

# VAV - TR<sup>®</sup>

## Oxygen System

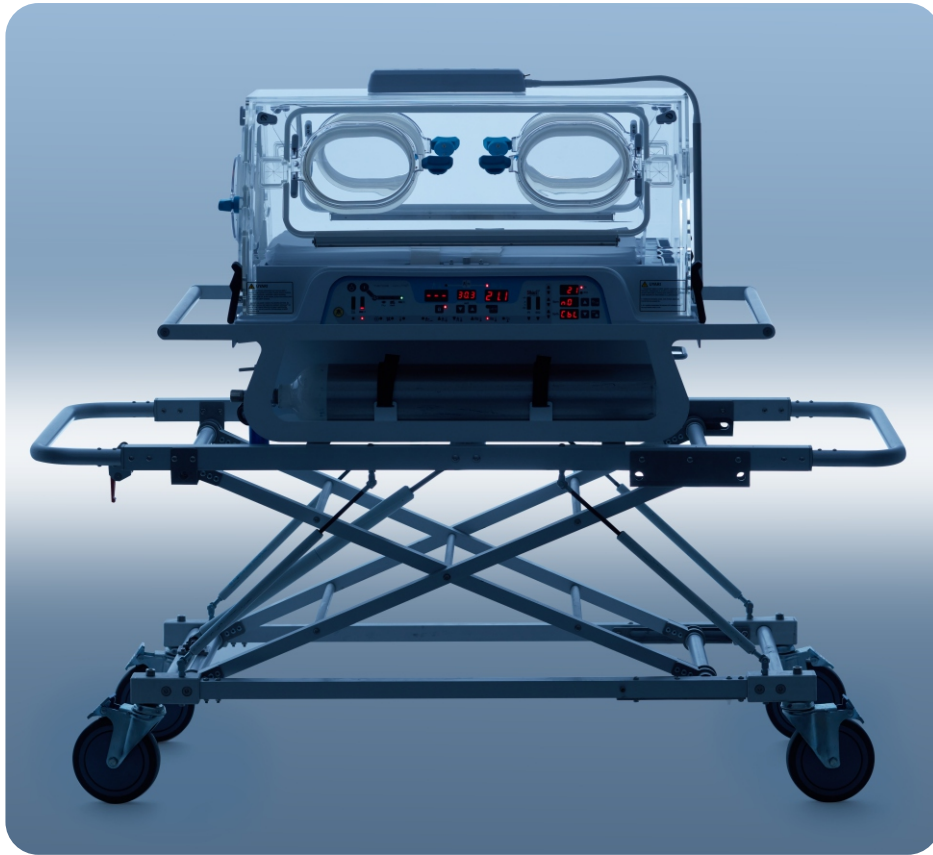
Oxygen levels are shown on the monitor continuously with 1% resolution, which significantly increases the safety of the patient.

## Pulse-Oximeter Feature

Tende VAV-TR is the world's first infant transport incubator with the Masimo Rainbow SET feature. This feature allows accurate monitoring of oxygen saturation (SpO<sub>2</sub>), perfusion index (PI), pleth variability index (PVI), total hemoglobin (SpHb), methemoglobin (SpMet), carboxyhemoglobin (SpCO) values without taking blood samples from the newborn (Non-Invasive method).

## LED Examination Lamp

Tende VA-TR has a built-in LED Examination Lamp which can be used to illuminate the entire mattress surface inside of the canopy easily.



## Tende VAV-TR Trolley

Tende VAV-TR can be used with Tende Trolley in hospitals for easier transportation. Tende Trolley has easy to use, silent height adjustment feature which allows you to amend the height to the level you need, not the predetermined levels, and that's what makes our trolley unique and the best match for our Tende VAV-TR.

## TECHNICAL SPECIFICATIONS

### MECHANICAL SPECIFICATIONS

Sizes (Without Trolley or Stretcher)	Height: 59 cm, Width: 102,5 cm, Depth: 53 cm
Weight	<50.5 Kg (Standard; Without Trolley, Second Battery, etc.)
Mattress Size	Length: 63.5 cm, Width: 31 cm, Height: 3.5 cm

### POWER REQUIREMENTS

AC Power Input	90-250VAC, 47-63 Hz, Max 200 W
External DC Power Input	12 VDC or 28 VDC, Max 200 W
Internal Battery	12 VDC, 24Ah, Lead Acid Battery

### OPERATING CONDITIONS

Temperature	10°C to 30°C
Humidity	0% to 95% (Noncondensing Relative Humidity)
Pressure	70kPa-106kPa

### STORAGE CONDITIONS

Temperature	-40°C to 70°C
Humidity	0% to 95% (Noncondensing Relative Humidity)
Pressure	70kPa-106kPa

### HOOD SPECIFICATIONS

Double Wall	Yes
Front Access Door	64 cm (W) x 25 cm (H)
Rear Access Door	Optional, 64 cm (W) x 25 cm (H)
Side Access Door	37.5 cm (W) x 32.5 cm (H)
Mattress	Biocompatible, Cytotoxicity and Skin Irritation Free, Fire Retarded, Water Proof & Washable Reported (ISO 10993-10 Sensitivity, ISO 10993-5)
Mattress Size	63.5 cm (L) x 31 cm (W) x 3.5 cm (H)
Service Windows (Access Ports)	5 Access Ports
Tubing Ports (Grommets)	10 Grommets
Opening Angle of the Doors/Windows	~180°
Operating Noise Level	< 46 dBA
Air Flow Velocity	< 10 cm/s
Micro Air Intake Filter Partical Size Removal	> 0.5 Micron (Antibacterial)
Baby Restrain Straps	Yes
CO <sub>2</sub> Concentration	< 0.5%

### TEMPERATURE

Temperature Control Modes	Air & Skin
Air Temperature Control	20°C to 39°C with 0.1°C Resolution (>37° C with Approval)
Skin Temperature Control	34°C to 38°C with 0.1°C Resolution (>37° C with Approval)
Air Temperature Display Range	20°C to 42°C with 0.1°C Resolution
Skin Temperature Display Range	20°C to 42°C with 0.1°C Resolution
Heater Output Indication	0% to 100% (in 8 levels)

### HUMIDITY

Method	Passive Humidification
Sponge Water Capacity	250 ml
Humidification Without Refilling	~8 Hours with 50% - 60% Humidification

### OXYGEN SYSTEM

Oxygen Inlet	Yes
Oxygen Display Range	15% to 100% with Resolution 1%

### SpO<sub>2</sub> & PULSE (Masimo Rainbow SET)(OPTIONAL)


SpO <sub>2</sub> Display Range	0-100% SpO <sub>2</sub> 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 (Option)	0 to 100 Values
SpMet, Methemoglobin Saturation (Option)	0% to 100%
SpCO, Carboxyhemoglobin Saturation (Option)	0% to 100%
SpHb, Total Hemoglobin Concentration in Arterial Blood (Option)	0% to 25% g/dL

### ALARMS (Audible & Visual)

Air, Skin	High/Low Temperature, Probe Failure, Over Temp.(for Air Temp.)
Power	Power Failure, Low Battery, No Battery
Circulation	Fan Failure
Oxygen	High/Low Oxygen
Alarm Test	YES
Others	System Error, Heater Temp. Fault, Masimo Parameters Errors

### OPTIONS

Tende In Hospital Trolley	
Sizes	Width: 134 cm, Depth: 55 cm Height: 35 to 76 cm,
Weight	~ 28 Kg
Telescopic IV Pole	3kg Weight Capacity

 1984  
 MDD 93/42/EEC ANNEX 2 / SEC 3  
 ISO 13485  
 ISO 9001

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