



Display Data

- Parameters : Setting parameters/Monitored parameters/Alarm status/I:E ratio
- Graphic Waveform : Pressure-Time, Flow-Time, Volume-Time
- Loop : Pressure-volume, Flow-volume, Pressure-flow
- Alarm : Airway pressure , Tidal volume , Minute volume, Respiratory rate
Apnea, O2%, Airway leak, Circuit open, Battery indicator
O2 supply pressure failure, Ventilator in-operative

Key Indicators

- Nebulizer : 10 to 180 minute
- Inspiration hold : Measures patient's lung compliance and resistance
Elasticity, Time constant
- Key lock : Key & LCD Touch Screen Lock
- Graph freeze
- Alarm silence : Mutes audible alarms for 2 minutes
- Alarm reset : Clears visual indicators and messages

Electrical Requirements

- Power : AC : 100-240 VAC, 50/60 Hz (Free voltage)
DC : 10.8V 8.8A, Internal battery
Provides Max. 180 minutes back up in normal operation
External DC Supply 12V ~ 16V

Physical Characteristics

- Weight : 8 kg (main unit)
- Dimensions : 25 x 15.6 x 37.1 (Width x Depth x Height) cm

Environmental Requirements

- Storage - Temperature : -10 ~ 45°C (15 ~ 110°F)
- Relative humidity : 10 to 85 %
- Operation : 10 to 40 °C (50 ~ 104 °F)

Pneumatic Requirements

- Oxygen inlet supply pressure : 2.4 to 6.2 bar (35 to 90 psi)

MTV1000

Portable ICU Ventilator

"Extreme flexibility without compromising places and quality of care with ease"

MTV1000

Fully Featured Ventilator - Multi Purpose, Compact, Portability

MTV1000 Offer innovated convenience Unique technology with high performance Affordable and Reliable Ventilators with Compliance to International Quality Standards



MTV1000 Highlights

- Multi Purpose Ventilator (Home-Care, Ambulance, ER, ICU)
- 7" Color TFT, Touch Screen & Knob
- Built in Ultra Quite Turbine Technology
- 3 Hours Battery Backup as Standard Feature
- Easy to Maintain with Lab Viewer Program
- High pressure Oxygen and Low Flow Oxygen
- Built in Electronic Blender
- NIV /Mask ON/OFF in All Modes

Modes : PACV, PSIMV,VACV, VSIMV, SPONT+PS/CPAP, Auto, PRVC ,Smart Apnea Back up

Optional* : SpO2 / ETCO2, Proximal Pressure Monitoring, Nebulizer
With Additional Battery : Over 6 hours Back up



SPECIFICATIONS*

| | |
|-------------------|--|
| Mode | : 7" Color TFT, Touch Screen & Knob O2 Blender, Exhalation Drive Line Outlet : PACV, PSIMV,VACV, VSIMV, Spont+/CPAP, PRVC, Auto Apnea Back-up ventilation Leak Compensation Upto 20lpm |
| (Optional) | : SpO2, EtCO2 Proximal Pressure Monitoring. Pneumatic Nebulizer with high Pressure O2 Source |

Ventilator Data

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|--|--|
| Predicted Body weight | : 10 to 150kg (Volume) 1 to 150kg (Pressure) |
| Tidal Volume | : 50 to 2500 ml |
| Inspiratory pressure | : 5 to 80 cmH2O (Peep+Pins <100cmH2O) |
| Pressure support | : 0 to 60 cmH2O(Peep+PSV < 100cmH2O) |
| PEEP/CPAP | : 0 to 45 cmH2O |
| Respiratory rate | : 2 to 60 bpm |
| Inspiratory time | : 0.3 to 4 sec |
| Rise Time (in PCV) | : Fast, Medium, Slow |
| Apnea Time | : 2 to 60 sec |
| Apnea BackUp Type | : PACV , VACV Mode |
| Enable inhalation trigger(En-sense) | : 10 to 80% of Inhaled volume |
| Exhalation trigger Sensitivity(Ex-trig) | : 10 to 80% of peak flow in exhalation. |
| Inspiratory Pressure limit | : 5 to 80 cmH2O in PRVC |
| Trigger Type | : Pressure and Flow |
| Trigger sensitivity : | Pressure trigger OFF, 0.5 to 20 cmH2O Flow trigger OFF, 0.5 to 20 lpm |

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|------------------------------------|--|
| FiO2% | : 21% to 100% |
| Nebulizer (time) | : 10min to 180min(3 Hours) |
| Sound Vol | : 10% to 100% |
| O2 Sensor | : ON(Enable) , OFF(Disable) |
| Limb Type | : Dual , Single limb with External Peep Valve System |
| Altitude Volume Compensated | : -100 to 5000 [m] |
| Room Air Temperature | : 0 ~ 50°C |
| BTPS | : OFF, MANUAL DRY, MANUAL HUMIDI |
| Mask | : ON / OFF, compensated flow 20lpm Max |



*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.