

WILAméd

Equipment for Professionals



WILAméd INTENSA

Ventilator System

www.wilamed.com



WILAméd INTENSA Ventilator System

INTENSA is a critical care ventilator for infants, children and adults. It has comprehensive functionality, a user friendly design, and is full of high quality, reliable treatment options for the clinician.

Complete ventilation functionality; In addition to typical ventilation modes, INTENSA also has a BIVENT and PRVC, to fully meet the demands of critical care mechanical ventilation.

The INTENSA is full of valuable clinical features:

- Synchronized nebulizer
- Inspiratory and expiratory hold
- Manual inspiration
- Smart suction

INTENSA also includes enhanced features such as automatic tube compensation as part of the standard configuration. INTENSA includes NIV Ventilation as a standard feature.

Users have the flexibility to use INTENSA for both invasive and non invasive therapy to reduce equipment costs.



Simple and intuitive interface

With a 15" TFT LCD touch screen and a simple intuitive interface, the user can easily complete the entire operation. At the same time the display can be rotated 180 degrees around the user in different directions, different angles of observation and action.

Powerful monitoring functions

INTENSA can display waveform and loops, and with a waveform freeze function a cursor can be used to measure waveform values. Loop references can be saved. Graphic trend of monitoring parameters and optional ETCO₂ monitoring provide clinicians with complete information

Lung mechanics monitoring

Menu, automatic measurement of static compliance, airway resistance and intrinsic PEEP, read the data directly, easy to use.



User friendly design

The user can position the ventilator easily by using the handle which circles the main unit. By using the side rails on the machine, the user can add on modules as needed, such as a humidifier or carbon dioxide Monitoring module.



Easily removable and sterilizable exhalation valve module to keep maintenance cost low.



Built in battery eliminates the need to worry about power interruptions. An optional 2nd internal battery is available.

Intelligent alarm system, reinforces safe use of the machine.

Modes of Ventilation

- Volume Controlled (VCV), Assist/Control
- Pressure Controlled (PCV), Assist/Control
- Pressure Regulation Volume Controlled (PRVC), Assist/Control
- Synchronized Intermittent Mandatory Ventilation,
- SIMV(VCV) + PSV, SIMV(PCV) + PSV, SIMV(PRVC) + PSV
- Spontaneous Ventilation (SPONT/CPAP) + PSV
- Bi Level Ventilation (BIVENT/APRV) + PSV
- Non invasive Ventilation (NIV/CPAP + PSV, NIV/PCV)



Parameters and Ranges

Tidal volume: 20 – 2500 ml

Respiratory rate: 1 – 120 bpm

Inspiration time: 0.2 – 9 s

Inspiratory pause time: 0 ~ 4 s

Tslope: 0 ~ 2 s

FiO₂: 21 % ~ 100 %

PEEP: 0 – 50 cmH₂O

CPAP(NIV): 2 – 20 cmH₂O

Psupport: 0 – 90 cmH₂O pp

Pinsp: 5 – 90 cmH₂O

Phigh: 5 – 90 cmH₂O

Plow: 0 – 50 cmH₂O

Esens: 5 % ~ 80 %

Flow patterns: square, decelerating

Inspiratory hold

Expiratory hold

Nebulizer: 30 or 45 minutes

Auto tube compensation (ATC)

Compliance compensation

Graphical trends



Monitoring

Pressure values

Pmin, Pplat, Pmean, Ppeak, PEEP

Volume/Flow values

VTI, VTE, MV, Mvspont, Leak%

Loops

Flow-Pressure, Pressure-Volume, Flow-Volume

Others

FiO₂, Optional EtCO₂

Standards

- UL/IEC 60601-1
- IEC 60601-1-2
- IEC 60601-2-12
- EN794-1

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Operating conditions

Gas supply:	AIR, O ₂ , 200 kPa – 650 kPa (29 – 94 PSI)
Power supply:	100 – 240 V, 50 – 60 Hz
Temperature:	10 – 40 °C (Operation); -20 – 60°C (Storage)
Relative humidity:	15 – 95 %, non-condensing (Operation) < 95%, non-condensing (Storage)
Atmospheric pressure:	500 hPa – 1060 hPa (Operation and Storage)

Communication interfaces

RS232, VGA, USB, RJ45

Dimensions (HxWxD): 624 x 774 x 1410 mm (with Cart)

