

# WILAméd

*Equipment for Professionals*



## WILAméd INTENSA

### Ventilator System

[www.wilamed.com](http://www.wilamed.com)

# WILMed 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 ETCO<sub>2</sub> 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

<b>Tidal volume:</b>	20 – 2500 ml
<b>Respiratory rate:</b>	1 – 120 bpm
<b>Inspiration time:</b>	0.2 – 9 s
<b>Inspiratory pause time:</b>	0 ~ 4 s
<b>Tslope:</b>	0 ~ 2 s
<b>FiO<sub>2</sub>:</b>	21 % ~ 100 %
<b>PEEP:</b>	0 – 50 cmH <sub>2</sub> O
<b>CPAP(NIV):</b>	2 – 20 cmH <sub>2</sub> O
<b>Psupport:</b>	0 – 90 cmH <sub>2</sub> O pp
<b>Pinsp:</b>	5 – 90 cmH <sub>2</sub> O
<b>Phigh:</b>	5 – 90 cmH <sub>2</sub> O
<b>Plow:</b>	0 – 50 cmH <sub>2</sub> O
<b>Esens:</b>	5 % ~ 80 %
<b>Flow patterns:</b>	square, decelerating
<b>Inspiratory hold</b>	
<b>Expiratory hold</b>	
<b>Nebulizer:</b>	30 or 45 minutes
<b>Auto tube compensation (ATC)</b>	
<b>Compliance compensation</b>	
<b>Graphical trends</b>	



## Monitoring

### Pressure values

Pmin, Pplat, Pmean, Ppeak, PEEP

### Volume/Flow values

VTI, VTE, MV, Mvspont, Leak%

### Loops

Flow-Pressure, Pressure-Volume, Flow-Volume

### Others

FiO<sub>2</sub>, Optional EtCO<sub>2</sub>

### Standards

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

Distributed by:

## WILamed GmbH

Medizinische Geräte und Zubehör

Gewerbepark Barthelmesaurach  
Aurachhöhe 5–7  
91126 Kammerstein (Germany)

Phone: +49 9178 996999-0  
Fax: +49 9178 996778  
info@wilamed.com  
www.wilamed.com

### Operating conditions

**Gas supply:** AIR, O<sub>2</sub>, 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)