

# VNI-3830N

Ventilator Non-Invasive



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

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Vertical body improves interactive experience.

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New UI interactive interface design, more user friendly.



The user-friendly controls, intuitive interface and color LCD screen make it simple to navigate menus and customize comfort settings.



Integration humidification tank design, easy and elegant.

### SCOPE OF APPLICATION:

For adult patients with ARDS, hypoventilation syndrome, for bi-level non-invasive ventilation in a hospital or home.

### ►► THE MAIN FUNCTION:

- Different treatment options can be provided according to patients' needs, from CPAP to S, T, SIT, VGPS five modes
- Adjustable trigger sensitivity.
- Real-time monitoring and recording of blood oxygen saturation.
- Alarm function.
- Record function (SD card).
- Maximum leak compensation function. 60L/min
- Waveform display in screen :Time&pressure, time&flow
- Medical use separate humidifier, better humidification and heating
- with Trolley, easy to move the device

### ►► THE KEY TECHNICAL PARAMETERS:

- Respiratory waveform can be displayed;
- Current mode: CPAP, S, T, ST, VGPS
- Inspiratory pressure: 4-30 cmH<sub>2</sub>O
- Expiratory pressure: 4-30 cmH<sub>2</sub>O
- Breathing frequency: 5-50 times/minute
- Breathing ratio: 10- 70%
- Air leakage: 20-99. 91pm
- Tidal volume: 50-1500ml
- minute ventilation: 0-501pm
- Blood oxygen saturation: 70-100%
- Pulse rate: 25-250bpm
- Delay boost: 0-45 minutes

## ►► THE KEY TECHNICAL PARAMETERS:

- Working mode: CPAP, S, T, ST, VGPS.
- Ventilation parameters:
  - Inspiratory pressure: 4-30 cmH<sub>2</sub>O (0.5 cmH<sub>2</sub>O interval)
  - Expiratory pressure: 4-30 cmH<sub>2</sub>O (0.5 cmH<sub>2</sub>O interval)
  - Treatment pressure: 4-20 cmH<sub>2</sub>O (in CPAP mode, 0.5 cmH<sub>2</sub>O interval)
  - Delayed boost: 0-45 minutes (interval of 5 minutes)
  - Breathing frequency: 5-50 times / minute (interval 1 time / minute)
  - Breathing ratio: 10-70% (interval of 1%)
  - Rise time: 1-5 steps (1 step interval, 1 step rises fastest, 5 steps rises most slowly)
  - Inhalation sensitivity: 1-5 steps (1 step interval, 1st step triggers fastest, 5th step 1st step triggers slowest)
  - Exhalation sensitivity: 1-5 (1 interval, the 1st trigger is the fastest, 5th and 1st the slowest)
  - Tidal volume: 50-1500ml (effective in VGPS mode, interval 50ml)
- VGPS (same with AVAPS, can set Target tidal volume) mode:
  - Maximum IPAP value adjustable range: 4-30 cmH<sub>2</sub>O
  - Adjustable range of minimum IPAP value: 4-30 cmH<sub>2</sub>O
  - EPAP value adjustable range: 4-30 cmH<sub>2</sub>O
  - Target Tidal Volume: 50-1500ml

## ►► ALARM ITEMS:

- High pressure sound prompt: Turn on / off sound prompt
- Low minute ventilation sound prompt: Turn on I off sound prompt,
  - can be set to 1-10L (interval 1L)
- Air leakage sound prompt: on / off
- Power off sound prompt: on / off
- Choking voice prompt: On I off, choking time can be set to 10-40 seconds (interval of 5 seconds)
- Low Tidal Volume Sound Prompt: On I Off,
  - Set Tidal Volume Value Range 50-500ml (Interval 50ml)

## ►► SPECIFICATIONS

- Weight : ABOUT 1500G
- Operating Temperature : 5-35 °C
- Relative Humidity : 10% -90%
- Power Supply : Input is AC 100-240V, 50-60HZ, 1.5A MAX; OUTPUT: DC 24V, 3.33A

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



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**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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