

# Technical parameters of YH-830 bi-level PAP device



## 1. Scope of application:

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

## 2 . the main function:

- 1、 Different treatment options can be provided according to patients' needs, from CPAP to S, T, S / T, VGPS five modes 。
2. Adjustable trigger sensitivity.
3. Real-time monitoring and recording of blood oxygen saturation.
4. alarm function.
5. Record function (SD card).
6. Maximum leak compensation function. 60L/min

## 3. the key technical parameters:

1. Working mode: CPAP, S, T, ST, VGPS.
2. Ventilation parameters:
  - 2.1 Inspiratory pressure: 4-30 cmH<sub>2</sub>O (0.5 cmH<sub>2</sub>O interval)
  - 2.2 Expiratory pressure: 4-30 cmH<sub>2</sub>O (0.5 cmH<sub>2</sub>O interval)
  - 2.3 Treatment pressure: 4-20 cmH<sub>2</sub>O (in CPAP mode, 0.5 cmH<sub>2</sub>O interval)
  - 2.4 Delayed boost: 0-45 minutes (interval of 5 minutes)
  - 2.5 Breathing frequency: 5-50 times / minute (interval 1 time / minute)
  - 2.6 Breathing ratio: 10-70% (interval of 1%)
  - 2.7 Rise time: 1-5 steps (1 step interval, 1 step rises fastest, 5 steps rises most slowly)
  - 2.8 Inhalation sensitivity: 1-5 steps (1 step interval, 1st step triggers fastest, 5th step 1st

step triggers slowest)

2.9 Exhalation sensitivity: 1-5 (1 interval, the 1st trigger is the fastest, 5th and 1st the slowest)

2.10 Tidal volume: 50-1500ml (effective in VGPS mode, interval 50ml)、

3.VGPS (same with AVAPS, can set Target tidal volume) mode:

3.1 Maximum IPAP value adjustable range: 4-30 cmH<sub>2</sub>O

3.2 Adjustable range of minimum IPAP value: 4-30 cmH<sub>2</sub>O

3.3 EPAP value adjustable range: 4-30 cmH<sub>2</sub>O

3.4 Target Tidal Volume: 50-1500ml

4. Display range of monitoring setting parameters:

4.1 Respiratory waveform can be displayed;

4.2 Current mode: CPAP, S, T, ST, VGPS

4.3 Inspiratory pressure: 4-30 cmH<sub>2</sub>O

4.4 Expiratory pressure: 4-30 cmH<sub>2</sub>O

4.5 Breathing frequency: 5-50 times / minute

4.6 Breathing ratio: 10-70%

4.7 Air leakage: 20-99.9lpm

4.8 Tidal volume: 50-1500ml

4.9 minute ventilation: 0-50lpm

4.10 Blood oxygen saturation: 70-100%

4.11 Pulse rate: 25-250bpm

4.12 Delay boost: 0-45 minutes

5. Alarm items:

5.1 High pressure sound prompt: Turn on / off sound prompt

5.2 Low minute ventilation sound prompt: Turn on / off sound prompt, can be set to 1-10L (interval 1L)

5.3 Air leakage sound prompt: on / off

5.4 Power off sound prompt: on / off

5.5 Choking voice prompt: On / off, choking time can be set to 10-40 seconds (interval of 5 seconds)

5.6 Low Tidal Volume Sound Prompt: On / Off, Set Tidal Volume Value Range 50-500ml  
((Interval 50ml))

## 6.Specifications

.1 Weight: about 1500g

6.2 Operating temperature: 5-35 ° C

6.3 Relative humidity: 10% -90%

6.4 Power supply: input is AC 100-240V, 50-60Hz, 1.8A Max; output: DC 24V, 3.33A.