Innovation of Respiratroy Care

OmniOx

Multi-Functional Non-Invasive Respiratory Care System

MEK

Innovation of Respiratory Care

OmniOx

OmniOx, A Fully Featured Ventilator

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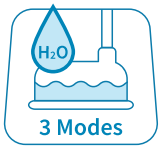
Provides extensive oxygen therapy from HF to NIV



Adaptive Control Humidifier

Support optimal humidity by adaptive control algorithm

Visible Graphic Wave

PTIF, ROX Index, Flow, FiO2
PIP, PEEP, Vtest, RR, SpO2, PR

CMS & Wifi & Remote Control

Enable immediate clinical response without expose to intection

OmniOx, New Standard of HFNC

Minimize medical staff effort

PTIF(Peak Tidal Inspiratory Flow) Viewer

· Display the actual PTIF in real-time
· Ensure optimal flow rates

ROX Index

Assist in deciding the continuation of therapy

Continuous patient therapy

Bi-Flow Modes

Reduce respiratory resistance and increase efficiency by adjusting inhalation and exhalation flow rates differently

TSF

(Pulse oximeter with target SpO2 feedback control by FiO2)

· Maximize time within the target SpO2 range
· Reduce modulation of SpO2 and workload the caregiver

Minimizing Medical Staff's Effort

Wave Monitoring System

Visualization of parameters for setting up oxygen therapy

Optimal flow rate setting

·Real-time visualization of patient's breathing status

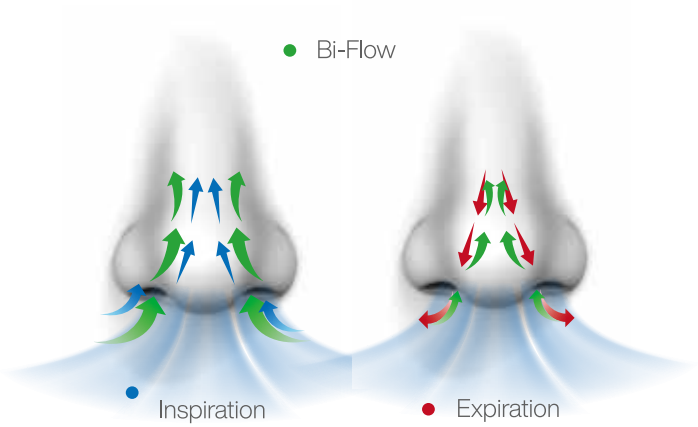
·Ability to provide flow rate exceeding tha patient's maximum inspiratory flow

Appropriate assessment of patient's therapy

· Possible to monitor cannula fitting status and changes

Prevention of ROX Index intubation failure

· Real-time monitoring of optimal indicator for evaluating HFNC results



Bi-Flow Mode

Improvement in respiratory efficiency and enhancement of device adaptability

During Inhalation

·Providing a high-flow oxygen

·Effectively removing dead sapce of nasal cavitiy

·Preserving the advantages of the high flow nasal cannula

During Exhalation

· Providing a relatively low flow of oxygen

·Reducing expiratory breathing resistance

·Addressing the limitation of the high flow nasal cannula

Continuous Patient Therapy

TSF

Pulse oximeter with target Spo2 feedback control by FiO2

·Maximize time within the target SpO2 range

· Reduce modulation of SpO2 and workload the caregiver

With Battery

· Provide heated and humidified gas consistenly even during intra-hospital transfers

Specificaion

HF (High Flow)

Flow (Inspiratory flow rate)	1 ~ 60 LPM

CPAP (Continuous Positive Airway Pressure)

CPAP	4 ~ 20 cmH2O ±(1.7 + 4 % of the set value) cmH2O
Pressure Assist + (PA(+))	OFF, 1 - 3 cmH2O
Pressure Assist - (PA(-))	OFF, -3 - -1 cmH2O
Trigger Level	3 - 20 lpm
Rise time	Fast(0.2 s), Medium(0.3 s), Slow(0.4 s)
Auto Start	ON, OFF

bi-level Positive Airway Pressure (Spontaneous, Spontaneous / Timed, Timed)

IPAP	4 - 40 cmH2O ±(1.7 + 4 % of the set value) cmH2O
EPAP	4 - 20 cmH2O ±(1.7 + 4 % of the set value) cmH2O
Pressure Assist - (PA(-))	OFF, -3 - -1 cmH2O
Respiration Rate	2 - 60 bpm
Inspiratory Time(Ti)	0.3 - 3.0 seconds
Trigger Level	3 - 20 lpm
Trigger Type	S/T, T, S
Rise time	Fast(0.2 s), Medium(0.3 s), Slow(0.4 s)
Auto Start	ON, OFF

- Pulse oximeter can be provided with the two options: MEKICS, Masimo

Product Line

	OmniOx 700 Hospital	OmniOx 750A Hospital	OmniOx 750 Hospital	OmniOx 751 Home
Color	●	●	●	●
Features				
Battery	-	√	√	√
Modes	HF	HF	HF, NIV(CPAP,bi-level)	HF, NIV(CPAP,bi-level)
Functions				
TSF	√	√	√	-
Bi-Flow	-	√	√	√
PTIF* Viewer	√	√	√	√
ROX Index	√	√	√	√
Cannula Fitting	√	√	√	√