

Specifications

Model : HFT500 (Omni Ox)

1. Features and Short form Specifications

HFT500 is a New concept Device for Non-Invasive Respiratory Care.
This system is versatile device to care acute and sub-acute respiratory failure patient.
HFT500 have Fulfill hardware for Oxygen therapy with Turbine, Oxygen blender, Humidifier, heated circuit system, FiO₂, SpO₂ and Respiration monitoring.

Display Monitor	4.3" Color TFT, Touch Screen & Knob with communication port
Therapy Modes	HF (HFNC), CPAP, S/T (BiPAP)
Vital Sign Functions	SpO ₂
Optional	Cart
Available installation	UPS and O ₂ Cylinder

2. Detail Specification

☐ Ventilator Data (Setting / performance)

Apnea Time	OFF / 10 ~ 60 sec (adjustable increment : 1 sec)
Proximal Pressure sensor	HF
FiO ₂	Low Flow / 21 % ~ 100 % ±5 %p (Connected High Pressure O ₂)
[HF]	
Flow (Inspiratory flow rate)	2 ~ 60 LPM
RR Sensitivity	x0.2, ~ x3.0
Cannula Type	Neonatal ~ Adult Type Cannula (* available to add HFNC Cannula)
[CPAP]	
CPAP	4 ~ 20 cmH ₂ O ±(1.7 + 4 % of the set value) cmH ₂ O
Pressure Assist + (PA(+))	OFF, 1 ~ 3 cmH ₂ O
Pressure Assist - (PA(-))	OFF, -3 ~ -1 cmH ₂ O
Trigger Level	3 ~ 20 LPM
Exh.Sensitivity (Ex_Sense)	10 ~ 80 %
[S-T]	
IPAP	4 ~ 40 cmH ₂ O ±(1.7 + 4 % of the set value) cmH ₂ O
EPAP	4 ~ 20 cmH ₂ O ±(1.7 + 4 % of the set value) cmH ₂ O
Pressure Assist - (PA(-))	OFF-3 ~ -1 cmH ₂ O
Respiration Rate	OFF / 2 ~ 60 /min
Inspiratory Time (Ti)	0.5 ~ 3.0 sec
Trigger Level	3 ~ 20 LPM
Exh.Sensitivity (Ex_Sense)	10 ~ 80 %
Rise time	Fast / Medium / Slow
[Humidifier]	
Temperature Airway	HF : 34 ~ 40 °C, CPAP & S-T : 26 ~ 40 °C
Humidification level	Level 1~10 (Adjusting the heater plate temperature)

☐ Display Data

Parameters	Setting parameters / patient status parameters / Alarm status
Graphic Waveform	Pressure -Time, Flow - Time [S-T mode only]
Alarm	Flow, PIP, PEEP, FiO ₂ , RR, Temp Airway, Apnea, High Leak, LF_FiO ₂ , SpO ₂ , PR
System Alarm	Heater wire disconnected, Airway temp. sensor Error (Disconnection) Check Blower, O ₂ supply fail
Patient Alarm	Open circuit, Check Cannula

☐ Alarm Setting

Flow (Inspiratory flow rate)	High : Flow setting +1 ~ 65 LPM, Low : 0 ~ Flow setting-1
PIP (Peak Inspiration Pressure)	High : PIP Setting +1 ~ 43 cmH ₂ O, Low : 0 ~ PIP setting-1
FiO ₂ %	High : FiO ₂ Setting +1 ~ 100 %, Low : 0 % ~ FiO ₂ setting-1
LF FiO ₂ %	High : 0 ~ 99 %, Low : 0 ~ 100%
PEEP/CPAP	High : PEEP Setting +1 ~ 22 cmH ₂ O, Low : 0 ~ PEEP setting-1
Respiration Rate	High : 1 ~ 150 /min, Low : 0 ~ 149 /min
Airway Temperature	High : Temp Setting +1 ~ 44 °C, Low : 0 °C ~ Temp setting-1
High Leak	10 ~ 70 LPM
Apnea	No respiration during setting value of Apnea time (10 ~ 60 sec)
[Option, SpO₂]	
SpO ₂	High : 1 ~ 100 %, Low : 0 ~ 99 %
Pulse Rate (SpO ₂)	High : 1 ~ 250 /min, Low : 0 ~ 249 /min

<input type="checkbox"/> Hot Keys		
Key lock		Key & LCD Touch Screen Lock
Alarm silence		Mute audible alarms for 2 min
<input type="checkbox"/> Electrical		
Power Source		100-240 VAC, 50-60 Hz
Power Consumption		Max 800 VA
<input type="checkbox"/> Physical		
Weight		4.5 kg
Dimensions		W170 x D306 x H221 mm
<input type="checkbox"/> Environmental		
Storage	Temperature	-20 ~ 70 °C
	Relative humidity	0 ~ 95 %, non-condensing
Operating	Temperature	10 ~ 40 °C
	Relative humidity	10 ~ 90 %, non-condensing
	A. Pressure(Altitude)	700 ~ 1060 hPa (~ 3000 m)
Gas Inlet Supply	O ₂	2.46 ~ 6.32 kgf/cm ² / 2.4 ~ 6.2 bar (35 ~ 90 psig)
<input type="checkbox"/> Language		
English / Italian / French / German / Spanish		