

# Specifications

## Model : HFT500 (OmniOx)

### 1. Features and Short form Specifications

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, FiO <sub>2</sub> , SpO <sub>2</sub> and Respiration monitoring.	
Display Monitor	4.3" Color TFT, Touch Screen
Therapy Modes	HF (HFNC)
Vital Sign Functions	SpO <sub>2</sub> , PR
Optional	Cart (Available installation UPS and O <sub>2</sub> Cylinders)

### 2. Detail Specification

<input type="checkbox"/> Ventilator Data (Setting / performance)	
Apnea Time	OFF / 10 ~ 60 sec ( adjustable increment : 1 sec)
FiO <sub>2</sub>	Low Flow / 21 % ~ 100 % ±5 %p ( Connected High Pressure O <sub>2</sub> )
<b>[ HF ]</b>	
Flow (Inspiratory flow rate)	2 ~ 60 LPM
RR Sensitivity	x0.2, ~ x3.0
RR Detect	Proximal / Internal / OFF
<b>[ Humidifier ]</b>	
Dew Point	HF : 34 ~ 37 °C
Humidification level	Level 1~5
<input type="checkbox"/> Display Data	
Parameters	Setting parameters / patient status parameters / Alarm status
Monitoring	Flow, FiO <sub>2</sub> , S/F Ratio, RR, SpO <sub>2</sub> , PR
Alarm	Flow, FiO <sub>2</sub> , RR, SpO <sub>2</sub> , PR, Airway Temp, Apnea, LF_FiO <sub>2</sub>
System Alarm	Airway temp. sensor Error, Circuit Temp Sensor Fail
	Heater Plate Temp Sensor Fail, Heater wire disconnected, Heater Plate Fail
	O <sub>2</sub> Inlet pressure high, O <sub>2</sub> supply fail, Check Blower,
Patient Alarm	Internal temperature high
	Apnea, Open circuit, Check Cannula, Flow, FiO <sub>2</sub> , RR, SpO <sub>2</sub> , PR, Check SpO <sub>2</sub> probe, LF FiO <sub>2</sub>
Stand By, No Plus, Search Fail, Unstable Pulse, Low Perfusion, Patient Moving, Unstable PR	
<input type="checkbox"/> Alarm Setting	
Flow (Inspiratory flow rate)	High : ≥ Flow setting+1 ~ 65 LPM, Low : ≤ 0 ~ Flow setting-1
FiO <sub>2</sub> %	High : ≥ FiO <sub>2</sub> Setting+1 ~ 100 %, Low : ≤ 0 % ~ FiO <sub>2</sub> setting-1
LF FiO <sub>2</sub> %	High : ≥ 19 ~ 100 %, Low : ≤ 18~ 99%
Respiration Rate	High : ≥ 1 ~ 150 /min, Low : ≤ 0 ~ 149 /min
Airway Temperature	High : ≥ Dew point Setting +1 ~ 44 °C, Low : ≤ 0 °C ~ Dew point setting-1
Apnea	No respiration during setting value of Apnea time (≥ 10 ~ 60 sec)
<b>[ Option, SpO<sub>2</sub> ]</b>	
SpO <sub>2</sub>	High : 1 ~ 100 %, Low : 0 ~ 99 %
Pulse Rate (SpO <sub>2</sub> )	High : 1 ~ 250 /min, Low : 0 ~ 249 /min
<input type="checkbox"/> Assistant 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"/> <b>Communication</b>		
RS232	COM1	Serial for CMS
<input type="checkbox"/> <b>Physical</b>		
Weight	4.5 kg	
Dimensions	W170 x D306 x H221 mm	
<input type="checkbox"/> <b>Environmental</b>		
Transport/Storage	Temperature	-20 ~ 70 °C
	Relative humidity	0 ~ 95 %, non-condensing
	Pressure	700 ~ 1060 hPa
Operating	Temperature	10 ~ 40 °C
	Relative humidity	10 ~ 90 %, non-condensing
	Pressure	700 ~ 1060 hPa
Altitude	≦ 3000m	
Gas Inlet Supply	O <sub>2</sub>	2.46 ~ 6.32 kgf/cm <sup>2</sup> / 2.4 ~ 6.2 bar (35 ~ 90 psig)
<input type="checkbox"/> <b>Language</b>		
English / Japanese / Italian / French / German / Spanish / Turkish / Romanian		