Gas Supply

Specifications	
Gas Supply	Medical-grade Oxygen
Pipe Connector	NIST or DISS
Gas Supply Pressure	280-600kPa

Power & Battery Backup

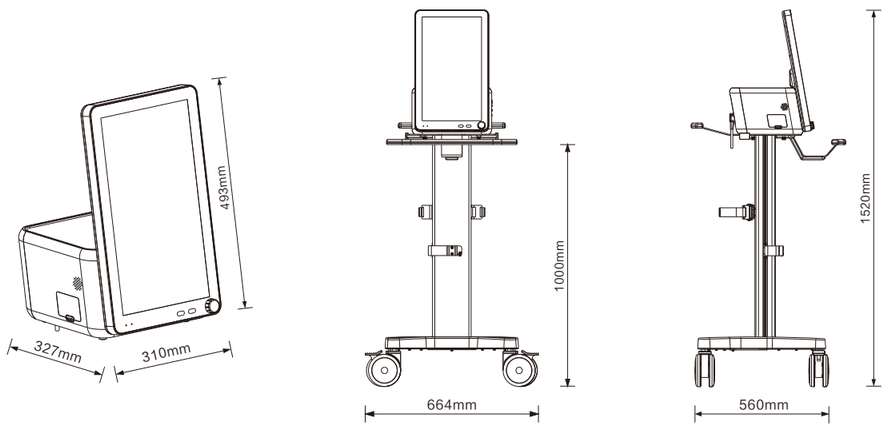
Specifications	
External AC Power Supply Input Voltage	100-240V
Input Frequency	50/60Hz
Input Current	2.5A Max
Fuse	T3.15AH/250V
Number of Batteries	One or Two (Optional)
Battery Type	Build-in Lithium-ion Battery, 14.4VDC, 6900mAh
Battery Running Time	3 hours (1 Qty Battery)
	6 hours (2 Qty Battery)

Communication interface

Specifications	
Communication Interface	HDMI, RS232, USB, Nurse call, CO_2 Module Connector, SPO_2 Module Connector

Value Added Functions

Specifications
100%O_2
Suction
Nebulization
Manual Breath
Inspiratory Hold
Expiratory Hold
PEEPi
P0.1
NIF
PV Tool



resvent

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iHope RS Series

iHope® RS Ventilator

DATASHEET

RS300 / RS200 / RS100***

Physical Specifications

Specifications	
Dimensions(L*W*H)	310mm * 327mm* 493mm（main unit）
	664mm * 600mm * 1520mm (with trolley)
Weight	Approximately 12.0kg（main unit）, Approximately 33.0kg (with trolley)

Display

Specifications	
Display Size	18.5 inch-TFT Touch Screen
Display Resolution (H) x (V)	1080 * 1920pixels
Brightness	Adjustable

Ventilation Specifications

Specifications	
Patient Type	Adult, Pediatric, Neonatal（optional）
Invasive Ventilation Mode* (Double limb)	• VCV (Volume Control Ventilation) • PCV (Pressure Control Ventilation) • VSIMV (Volume Synchronized Intermittent Mandatory Ventilation) • PSIMV (Pressure Synchronized Intermittent Mandatory Ventilation) • CPAP/PSV (Continuous Positive Airway Pressure/Pressure Support Ventilation) • PRVC (Pressure Regulated Volume Control) • V+SIMV (PRVC+SIMV) • BPAP (Bilevel Positive Airway Pressure) • APRV (Airway Pressure Release Ventilation) • Apnea Ventilation
Non-invasive Ventilation Mode** (Single limb)	• CPAP (Continuous Positive Airway Pressure) • PCV (Pressure Control Ventilator) • PPS (Proportional Pressure Support) • S/T (Spontanous and Timed) • VS (Volume Support)

*Available on RS100 / RS300 **Available on RS200 / RS300

***Double limb NIV is available on RS100 also

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Controlled Parameters

Specifications	Adult, Pediatric	Neonatal
O_2%	21–100%	21–100%
VT (Tidal Volume)	100–2000mL (Adult) 20–300mL (Pediatric)	2–300mL
f	1–80bpm	1–150bpm
f–SIMV	1–80bpm	1–150bpm
I:E	1:10 –4:1	1:10 –4:1
T–insp.	0.2–10s	0.20–10s
T–slope	0–2s	0–2s
T–high	0.2–30s	0.2–3s
T–low	0.2–30s	0.2–30s
T–pause	5%–60% , Off	5%–60% , Off
ΔP–insp.	5–80cmH_2O	3–80cmH_2O
ΔP–supp.	0–80cmH_2O	0–80cmH_2O
P–high	0–80cmH_2O	0–80cmH_2O
P–low	0–45cmH_2O	0–25cmH_2O
PEEP	1–45cmH_2O , Off	1–25cmH_2O , Off
Flow Trigger	0.5–15L/min	0.1–5L/min
Pressure Trigger	–10 –(–0.5)cmH_2O	/
Exp%	10–85% , Auto	10–85% , Auto
CPAP	4–25cmH_2O	/
EPAP	4–25cmH_2O	/
IPAP	4–20cmH_2O	/
Rise time	1–5	/
Ramp time	5–45min , Off	/
P–min (VS minimum IPAP)	5–30cmH_2O	/
P–max (VS maximum IPAP)	6–40cmH_2O	/
P–max (PPV maximum pressure limit)	5–40cmH_2O	/
V–max (PPV maximum volume limit)	200–3500mL	/
E–max	0–100cmH_2O/L	/
R–max	0–50cmH_2O/L/s	/
PPV%	0–100%	/

Apnea Ventilation

Specifications	
VT–apnea	Adult: 100–2000mL Pediatric: 20–300mL Neonatal: 2–300mL
ΔP–apnea	5–60cmH_2O
f–apnea	1–80bpm
Apnea T–insp.	0.2–10s

Sigh

Specifications	
Sigh Switch	On, Off
Interval	20s–180min
Cycles Sigh	1–20
Δint.PEEP	1– 45 cmH_2O , Off

Synchronized Tube Resistance Compliance

Specifications	
Tube Type	ET Tube, Trach Tube, Disable STRC
Tube I.D.	Adult: 5.0–12.0mm Pediatric: 2.5–8.0mm
Compensate	0–100%
Expiration Compensation Switch	On, Off

iHope RS Series

Monitored Parameters

Numeric		
Paw	Vte	C–dyn.
P–peak	VTi	C–stat.
P–plat.	VTe–spn.	RC–exp.
P–mean	VTe/IBW	WOB
PEEP	FiO_2	RSBI
PIP	f	Pt.–trig.
EPAP	f–total	Pt.–leak
MV	I:E	Tot.–leak
MV–leak	Re	Continuous Flow (O_2 Therapy)
MV–spn.	Ri	

Real Time Graphics	
Pressure–time Waveform	Pressure–volume Loop
Flow–time Waveform	Flow–time Loop
Volume–time Waveform	Pressure–flow Loop

Alarm Settings

Specifications	Type	Adult	Pediatric	Neonatal
Tidal Volume	High	110–4000mL, Off	25–600mL, Off	4–600mL, Off
	Low	50–4000ml, Off	10–600mL, Off	1–590mL, Off
Minute Volume	High	0.2–100.0L/min	0.2–60.0L/min	0.12–50.0L/min
	Low	0.1–50.0L/min	0.1–30.0L/min	0.02–30.0L/min
Airway Pressure	High	10–65cmH_2O	10–65cmH_2O	10–65cmH_2O
	Low	10–63cmH_2O , Off	10–63cmH_2O , Off	10–63cmH_2O , Off
Frequency	High	1– 90bpm , Off	1– 90bpm , Off	1~160bpm , Off
	Low	1– 88bpm , Off	1– 88bpm , Off	1~158bpm , Off
O_2 Concentration	High	20–100%	20–100%	20–100%
	Low	18–98%	18–98%	18–98%
Apnea Alarm Time	Low	5–60s	5–60s	5–60s

O_2 Therapy

Specifications	O_2%	Flow
Controlled Parameters	21–100% (Increments of 1%)	4–60L/min
Controlled Accuracy	± (3vol.% +1% of Setting)	±(2L/min+10% of Setting) (BTPS)

Trend & Record

Specifications	
Type	Tabular, Graphic
Length	72 hours
Content	Monitor Parameters
Max Log	20000
Screen Capture	500

Environmental Specifications

Specifications	Operating	Storage and transport
Temperature	5–40℃	–20 – 60℃ , O_2 Sensor: –20 – 50℃
Relative Humidity	10–95%	10–95%
Barometric Pressure	62–106kPa	50–106kPa