

Technical Specifications

Display Data

Display	15" TFT colored touch screen with navigation knob
Display Motion	Adjustable vertical tilt
Control Panel Lock	Yes
Parameters	Setting parameters, patient status parameters, Alarm status, I:E ratio
Graphic Waveform	Pressure-Time, Flow-Time, Volume-Time
Trend	Up to 72 hrs. - VE/min, Pmean, Ppeak, PEEP, Vte, RR, CL, RA. Optional - SpO ₂ , PR, iCO ₂ , EtCO ₂
Loops	Pressure-Volume, Flow-Volume, Pressure-Flow
Measuring Data	P0.1 measurement, Exp.Flow, RSBI, CL, RA, WOBV, WOBP
System Alarm	O ₂ / Air supply pressure Fail, Obstructed tube, Circuit open, Ventilator in-operation, Low Battery, PEEP Low & PEEP High
EVENT	1,000 event log : Alarms & Settings
Optional Parameters	SpO ₂ , PR / EtCO ₂ , iCO ₂

Setup Function

BTSP	OFF / Auto Humid / Auto Dry
Proximal Flow / Pressure	All OFF / P.ON, F.OFF / RON, F.ON
Sensor	10 – 180 min
Neb Time	5 mL/kg – 15 mL/kg
BWF	ON / OFF
Tube Compensation	ON / OFF
O ₂ Sensor Disable	10 – 100 %
Sound volume	

Alarm Settings

High Tidal Volume (Vte)	5 – 2500 mL / OFF
Low Tidal Volume (Vte)	0 – 2500 mL
High Min Volume (Vte, min)	0.1 – 50 LPM
Low Min Volume (Vte, min)	0.0 – 49.9 LPM
High Respiration Rate	3 – 180 BPM
Low Respiration Rate	2 – 179 BPM
High Peak Airway Pressure	1 – 120 cmH ₂ O
Low Peak Airway Pressure	0 – 119 cmH ₂ O
High O ₂ %	19 – 100% / OFF
Low O ₂ %	18 – 100%
Airway Leak	50 – 500 mL / OFF
Apnea	2 – 60 sec

Lung Mechanics

PV Tool	P Limit 5 – 60 cmH ₂ O, Time
Inspiration hold	Measures patient's lung compliance and resistance, Elasticity, Time constant
Expiration hold	Measures auto-PEEP

Electrical

Power Source (AC)	100 – 240 VAC, 1 A, 50 / 60 Hz
Internal Battery	PB-Acid 12 V
Operating Time	180 min Max
Power Consumption	0.3kw

Communication

RS232 (COM1)	115200 BPS for CMS
LAN	100 MHz for CMS or EMR (HL7 support)
USB Port	

Ventilator Data

Body Weight Range	1 – 150 kg
Tidal Volume	2 – 2500 mL
Inspiratory Pressure	0 – 99 cmH ₂ O
Pressure Support	0 – 99 cmH ₂ O, above Peep Max 99 cmH ₂ O
Respiratory Rate	0 – 150 BPM
Inspiratory Flow Rate	Up to 180 LPM
Ventilator Modes	PACV, PSIMV, VACV, VSIMV, Spont, Apnea Back-up Ventilation, O ₂ Stream, PRVC, Bi-Level, AwPRV, Auto Vent
I:E Ratio	4:1 – 1:20
Inspiratory Time	0.1 – 9.9 sec
Pause Time	0 – 2.0 sec
PEEP / CPAP	0 – 60 cmH ₂ O
Enable Ins. Trigger (En-sens)	10 – 80% of Inhaled volume
Exh. Trigger Sensitivity (Ex-trig)	Off, 5–50
F-end (Flow end)	25 – 100% of peak flow
Trigger Sensitivity	Pressure : 0.1 – 20 cmH ₂ O Flow : 0.1 – 20 LPM
FiO ₂ %	21 – 100%
Sigh	OFF / Delivers one sigh breath every 30, 60, 90, 120 breaths Sigh volume = Set tidal volume x 1.5
Mask (Leak Compensation)	OFF / ON (up to 25 LPM)
Rising Time (Trise) {PS}	0.1 – 2.0 sec
Rising Time, PSV {PSV}	0.1 – 0.5 sec
Flow Limit {PSV}	10 – 60 LPM / OFF

Optionals

Ventilation Mode	TCPL-AC, TCPL-SIMV, CPR, PRVC-SIMV, HFV (SHFV, DHFV)
Lung Mechanics	PV-TOOL, Paux (Esophageal & Tracheal Pressure)
Accessory	Proximal Sensor (Pressure/Flow), Nasal Cannula for O ₂ Stream
Vital Sign Functions	SpO ₂ , EtCO ₂
Cart	Mobile Cart for Vista
Humidifier	Humidifier with Adult chamber & accessories

Environmental

Storage Temp	(-)20 – 70°C
Relative Humidity	0 – 95%, non-condensing
Operating Temp	10 – 40°C
Relative Humidity	10 – 90%, non-condensing

Physical

Overall	W499.4 x D599.1 x H1423 mm
Main Unit	W326 x D414.2 X H388 mm
Display Monitor	W400 x D48 x H276 mm
Mobile Cart (optional)	W499.4 x D599.1 x H725 mm
Unit Net Weight	28kg (without compressor and mobile cart)
Compressor Weight	45kg
Mobile Cart Weight	15kg (approx.)



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