



V8800

Ventilator

TECHNICAL
DATA

ORICARE®
Your healthcare, we care.

V8800

Patient type

Adult, Child (≥ 3.5 kg)



Ventilation Modes

A/C-V

A/C-P

PRVC

SIMV(PCV)+PSV

SIMV(VCV)+PSV

SIMV(PRVC)+PSV

SPONT/CPAP+PSV

BIVENT/APRV+PSV

NIV/CPAP+PSV

NIV/PCV

Enhancements

Apnea back-up ventilation

Lung mechanics

Automatic tube compensation (ATC)

Smart suction

Manual breath

Inspiratory hold

Expiratory hold

Waveform freeze

Nebulization

Non-invasive ventilation

EtCO₂ measurement

P/V maneuver

Spontaneous breathing trial (SBT)

Print screen

Screen lock

Standby

Alarm silence

Sigh

Lung recruitment

Parameter Setting

IBW (kg)	7-150 kg (Adult) 3.5-35 kg (Child)
Tidal volume (Vt)	50-2500 ml (Adult) 10-300 ml (Child)
Compliance compensation	ON/OFF
Pinsp	0-100 cmH ₂ O
Psupp	0-90 cmH ₂ O
Psupp in NIV	0-(32-CPAP) cmH ₂ O
CPAP in NIV	2-20 cmH ₂ O
PEEP	0-50 cmH ₂ O
PEEP in NIV	2-20 cmH ₂ O
Phigh	5-90 cmH ₂ O
Plow	0-50 cmH ₂ O
Pressure trigger	-20-0 cmH ₂ O
Back-up ventilation pressure	5-(100-PEEP)
ATC tube compensation (%)	0-100
Flow trigger	0.3-20 l/min (Adult) 0.5-20 l/min (Child)
Esens	5-80 %
Inspiratory time (Ti)	0.1-12 s (Adult) 0.1-5 s (Child)
Pause time (Tpause)	0-4 s (Adult) 0-2.5 s (Child)
Rising time (Tslope)	0-2 s
Thigh	0.2-30 s
Tlow	0.1-30 s (Adult) 0.2-30 s (Child)
Frequency (f)	1-120 bpm (Adult) 2-120 bpm (Child)
NIV ventilation rate	4-20 bpm (Adult) 4-40 bpm (Child)

Parameter Setting

I:E ratio	1:10-4:1
SIMV ventilation rate	1-60 bpm (Adult) 1-50 bpm (Child)
Backup ventilation Tinsp	0.2-9 s (Adult) 0.2-5 s (Child)
Nebulizer time	30 min or 45 min
ATC tube diameter	5-12 mm (Adult) 2.5-8 mm (Child)
ATC tube type	ET/TT
O ₂ concentration	21-100 %

Monitoring Data

Ppeak	Vti	Rexp	Tispoint
Pplat	Vte	Cdyn	O ₂ %
PEEP	MVe	RSBI	FiCO ₂ %
Pmean	MVespoint	WOB	EtCO ₂
Pmin	ftotal	I:E	PIF
fspoint	PEF	MV _{leak}	Leak%

Lung Mechanics

Rinsp	Cstatic	PEEPi	P0.1/NIF
Elastance	Tc		

Parameter Monitoring Range

MVe	0.1-60 L/min
VTi	0-4000 mL
VTe	0-4000 mL
O ₂ concentration	15-100 %
Airway pressure	-40-110 cmH ₂ O

Alarm Setting

High Paw	5-110 cmH ₂ O
Low Paw	OFF, 1-80 cmH ₂ O
High PEEP	1-50 cmH ₂ O, OFF
Low PEEP/CPAP	OFF, 1-50 cmH ₂ O
High PEEP in NIV	2-20 cmH ₂ O, OFF
Low PEEP/CPAP in NIV	OFF, 1-20 cmH ₂ O
Low EtCO ₂	OFF, 1-99 mmHg
High EtCO ₂	1-100 mmHg
Low MVe	OFF, 0.1-40 L
High MVe	1-60 L, OFF
High VTi	5-4000 mL, OFF
Apnea Time	10-60 s, OFF
High Ti	0.4-5 s (Adult) 0.4-2 s (Child)

Waveform Display

Flow-T	F-V Loop
Paw-T	P-V Loop
Volume-T	P-F Loop
EtCO ₂ -T	

Other Settings

Alarm Volume	20, 40, 60, 80, 100 %
Trend	72H
Log	3000 messages
Screen Brightness	Day, Night

Language

Chinese	English	Spanish	Polish	Turkish
Russian	French	German	Others languages	

Environmental Requirements

Temperature	
Operating condition	10 °C-40 °C
Storage condition	-20 °C-60 °C
Relative humidity	
Operating condition	15%-95%
Storage condition	5%-95%
Barometric pressure	
Operating condition	525-1200 hPa
Storage condition	500-1200 hPa

Electrical

AC Voltage	100-240 V, 50/60 Hz
One Battery Run Time	Minimum 1 hour
Two Batteries Run Time	Minimum 3 hours

Gas supply

Supply Pressure (O ₂ , Air)	200-650 kPa (29-94psi)
Connection Standard	DISS, NIST

Physical

Total Weight	60 kg
Cart Weight	30 kg
Screen Size	15" color touch screen
Communication Ports	Nurse call port Ethernet Port RS-232 port CO ₂ port USB port VGA port