

 CEGENS

Critical Care
Ventilator System



HT-109

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Touchscreen LCD Display

Reliability Simplicity

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Patient type	Adult, Pediatric, Neonatal
Ventilation settings	
Ventilation mode	<ul style="list-style-type: none"> • CMV • V-SIMV,P-SIMV • PCV • PRVC • CPAP • VA
Enhancements	<ul style="list-style-type: none"> • Inspiratory demand flow – automatic adaptation of inspiratory flow in volume controlled modes • ATC – Automatic tube compensation (optional) • NIV – Mask Ventilation (optional)
Ventilation frequency	0 to 100/min , 0 to 150/min (Neonatal)
Inspiration time	0.1 to 10 s
Inspiratory flow	<ul style="list-style-type: none"> • 10 to 120 L/min (Adult) • 5 to 60 L/min (Pediatric) • 5 to 30 L/min (Neonatal)
Inspiratory pressure	0 to 80 m bar (cmh20)
PEEP	0 to 35 m bar (cmh20)
Pressure support	0 to 80 m bar
Rise Time for inspiratory pressure	0 to 2 s
O ₂ concentration	21% to 100%
Trigger sensitivity	1 to 10 L / min
Measured values display	
Airway Pressure	Peak pressure, plateau pressure , mean pressure , PEEP , min. pressure (0 to 99 mbar / cmh20)
Minute Volume (MV)	MV, MVspont
Tidal Volume (Vt)	Inspired Vt , expired Vt (0 to 3999 ml)
Breathing frequency (f)	ftotal , fspon , fmand. (0 to 150/bpm)

O ₂ concentration (FiO ₂)	Inspired O ₂ concentration (21% to 100%)
Lung mechanics	<ul style="list-style-type: none"> • Resistance (0.0 to 600 mbar/L/s) (cm h₂₀/L/s) • Compliance (0.0 to 300 ml/mbar) (ml/cmh₂₀)
Waveforms	Airway pressure – time , flow – time , volume – time,...
Loops	Paw – V , flow – Paw
Alarms / Monitoring	
Airway pressure	High / Low
Expired minute volume	High / Low
Tidal volume	High / Low
Apnea alarm time	5 to 60 s
Inspired O ₂ concentration	High/ Low (automatic setting)
Performance data	
Max. flow for pressure support an spontaneous breathing	180 L/m in (adult) , 60 L/m in (pediatric)
Control principle	Time cycled, volume constant, pressure controlled
Safety relief valve	100 mbar (cm h ₂₀)
Leakage compensation	
Hose system compensation	
Outlet for pneumatic nebulizer	
Operating data	
Mains power connection	110 to 240 V , 50/60 hz
Power consumption	Approx. 125w
Gas supply operating pressure	O ₂ , Air : 2.7 to 6 bar / 39 to 87 PSI
Physical Specifications	
Dimensions ventilator (W x H x D) (without trolley)	310 mm x 640 mm x 350 mm (12.2 x 25.2 x 13.7) inches
Diagonal screen size	10.4" TFT LCD color touch screen
Weight basic unit	30 kg. aprox (66 lbs.)



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Manufacturer

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