

E5

Ventilator

- V-A/C, P-A/C, V-SIMV, P-SIMV, CPAP/PSV Ventilation modes
- Compact design
- 12.1" touch TFT LCD screen rotatable
- 4 waveforms display
- Dual CPU control
- 72 hours trend
- Internal battery supports up to 180 min running time
- Optional PRVC, APRV, DuoLevel and Non-invasive (NIV) ventilation modes
- Optional EtCO₂ monitoring



mindray
healthcare within reach

E5

Ventilator

Technical Specifications

Patient type Adults and children

Ventilation settings

Ventilation mode Assist/Control (VCV or PCV)
SIMV, SIMV/PSupp (VCV or PCV)
PSV
CPAP
DuoLevel
PRVC
APRV
NIV - Mask Ventilation

Ventilation frequency (f) 1 to 150 /min (A/C), 1 to 60 /min (SIMV)
Inspiration time (T_{insp}) 0.2 to 10 s
I:E 4:1 to 1:10
Tidal volume (TV) 0.1 to 2.0 l (Adult)/0.02 to 0.3 l (Pediatric)
Inspiratory flow 0; 6-180 l/min (Adult)
Inspiratory pressure 5 to 100 cmH₂O
PEEP Off, 1 to 45 cmH₂O
△ P_{supp} 0 to 100 cmH₂O
Rise time for inspiratory pressure 0 to 2 s
O₂ concentration 21 to 100 Vol. %
Trigger (Pressure/Flow) 0.5 to 15 l/min / -10 to -0.5 cmH₂O

Monitored Parameters

Airway pressure Peak pressure, plateau pressure, mean airway pressure, PEEP, min. pressure (-20 to +120 cmH₂O)
Minute volume (MV) MV, MV_{spont}, MV_{leak} (0 to 100 l/min)
Tidal volume (TV) Inspired TV, expired TV (0 to 4000 ml, BTPS)
Breathing frequency (f) f_{tot}, f_{spnt}, f_{mand} (0 to 200/bpm)
O₂ concentration (F_{IO₂}) Inspired O₂ concentration (15 to 100 Vol. %)
Lung mechanics Resistance (0-600 cm H₂O/l/s)
Compliance (0.0 to 300 ml/cm H₂O)
RSBI (0 to 9999 l/(min*l))
WOB (0 to 100)(J/min)

NIF (-45 to 0)(cm H₂O)

P 0.1 (-20 to 0)(cm H₂O)

PEEPi (0 to 120)(cm H₂O)

PV-tool

Waveforms Airway pressure-time, flow-time, volume-time,

Loops P_{aw}-V, V-Flow, Flow-P_{aw}

Trends 72 hours

Capnography (EtCO₂) (optional)

0 to 99 mmHg with waveform

Alarms

Airway pressure High / Low

Expired minute volume High / Low

Tidal volume High

Apnea alarm time 5 to 60 s

Spontaneous breath frequency High

Inspired O₂ concentration High / Low

EtCO₂ (optional) High / Low

Performance data

Max. flow for pressure support and spontaneous breathing: 180 l/min (adult)

Control principle: Time cycled, volume constant, pressure-controlled

Automatic leakage and hose system compensation.

Outlet for pneumatic nebulizer

Operating data

Mains power connection: 100 to 240 V, 50/60 Hz

Power consumption: Typically approx. 195 W

Internal battery running time: 90 min or 180 min (Option)

Gas supply operating pressure O₂, air: 2.7 to 6.5 bar / 39 to 94 PSI/280 to 650 kPa

Physical Specifications

External connections: USB, Ethernet, RS232, Nurse call, VGA.

Dimensions ventilator (H x W x D): 475 x 430 x 500 mm (including display)

Diagonal screen size: 12.1" TFT LCD color touch screen

Weight basic unit Approx. 25 kg

DISTRIBUTOR:



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