

E3

Ventilator

- V-A/C, P-A/C, V-SIMV, P-SIMV, CPAP/PSV Ventilation modes
- Compact design
- 10.4" touch TFT LCD screen
- 3 waveforms display
- Dual CPU control
- 72 hours trend
- Internal battery support ups to 180 min running time
- Optional Duo Level and NIV ventilation modes
- Optional EtCO₂ monitoring



mindray
healthcare within reach

E3 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
NIV – Mask Ventilation

Ventilation frequency (f) 1 to 100 /min (A/C), 1 to 60 /min (SIMV)

Inspiration time (T_{insp}) 0.2 to 10 s

Tidal volume (VT) 0.1 to 2.0 l (Adult)/0.04 to 0.3 l (Pediatric)

Inspiratory flow 6 to 100 l/min (Adult)
6 to 30 l/min (Pediatric)

Inspiratory pressure 5 to 100 cmH₂O

PEEP Off, 1 to 45 cmH₂O

Δ Psupp 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_{spont} , f_{mand} (0 to 200 bpm)

O₂ concentration (FIO₂) 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 cmH₂O)
PEEPi (0 to 120 cm H₂O)

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

Loops Paw-V, V-Flow, Flow-Paw

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: 120 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
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, VGA, Nurse call, Ethernet, RS232
Dimensions ventilator (H x W x D): 330 x 390 x 460 mm (including display)
Diagonal screen size: 10.4" TFT LCD color touch screen
Weight basic unit: Approx. 20 kg

DISTRIBUTOR:



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