

Critical Care Ventilator

R50

Features

- Application: infant and adult
- 12" TFT color screen with touch screen
- Ventilation modes: VCV, PCV, SIMV-VC + PSV, SIMV-PC + PSV, SPONT/CPAP + PSV, DuoPhasic/APRV + PSV, Backup, Manual inspiration
- Lung mechanics parameters and loops
- Inspiratory hold with static compliance measurement
- Expiratory hold with PEEPi measurement
- 100% O₂ suction, 2min
- Easily removable and sterilizable exhalation valve & flow sensor module
- Built-in: Active expiratory PEEP valve, O₂ & Air mixture device, Synchronized nebulizer, Battery

Ventilation Setting Parameters

- Tidal volume: 20-2500 ml
- Respiratory frequency: 1-120 bpm
- Inspiration time: 0.1-12s
- Inspiratory pause ratio: 0~50%
- FiO₂: 21%~100%
- PEEP/ CPAP: 0-50 cmH₂O
- P_{supp}, P_{insp}, P_{sense}, F_{sense}, P_{high}, P_{low}, T_{high}

Measurement

- Pressure values: P_{peak}, P_{plat}, P_{mean}, P_{min}, PEEP
- Volume/Flow values: VT₁, VT_E, MV, MV_{spont}
- ftotal, fspn, RSBI, Rinsp, Cstatic, Cdyn FiO₂
- Loops: Pressure - Volume, Volume - Flow
- Optional etCO₂

Alarms

MV, P_{aw}, VT_E, Rate, FiO₂, Mains failure, Battery, Air supply failure, O₂ supply failure, Apnea, Circuit occlusion, etCO₂

