



INTENSIVE CARE VENTILATOR

ALTIMAX

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OPERATING MODES:

VCV, PCV, PLV (can be assisted); V-SIMV+PS; P-SIMV+PS; DUALPAP/APRV; CPAP/PS+NIV+backup; PRVC

ADJUSTMENTS SPECIFICATIONS PARAMETER

Tidal Volume: 10 to 3000ml
Respiratory Frequency: 0 to 180bpm
Rise Time: 0 to 2.0s
Pause: 10 to 30s
Inspiratory Pressure: 0 to 120cmH2O
PS - Pressure Support: 0 to 120cmH2O
PEEP: 0 to 50cmH2O On-Off button
Pressure Trigger: 0.0 to -20cmH2O
Flow Trigger: 0.0 to 30L/min
Cycling PS: 5 to 80%
FIO2: 21 to 100%
Inspiratory Time: 0.05 to 30s
Inspiratory Flow Wave: Square, Decelerate, Accelerate, Sine
CPAP: 1 to 50cmH2O
Pressure High: 1 to 60cmH2O
Pressure Low: 0 to 40cmH2O
Time High: 0.2 to 59.8s
Time Low: 0.2 to 59.8s
I:E Ratio: 1:599 to 10:1

VENTILATION MONITOR

Curves Pressure x Time; Flow x Time; Volume x Time
Loops: Volume x Pressure; Flow x Volume
Bar graph of Instantaneous Pressure; Plateau Pressure, Peak Pressure
Visualization of until 5 curves in the same time
Visualization of until 5 curves in the same time
Peak Pressure, Mean Pressure and Plateau (numeric values)
PEEP and Intrinsic PEEP
Inspiratory and Expiratory Volume
Minute Volume and Spontaneous Volume
Compliance Static and Dynamic
Air way resistance
Inspiratory and Expiratory Time
I:E Ratio
Respiratory Frequency Total and Spontaneous
FIO2

STANDARD ACCESSORIES

Trolley with wheels and front lock
Articulated Arm with Support
Flow Sensor (hot wire)
Reusable Respiratory Circuit Adult
Reusable NIV Mask Adult
Flow sensor cable
Test Lung with compliance
Oxygen Hose DISS X2 - 3m
Air compressed Hose DISS X2 - 3m
Galvanic Oxygen Sensor (built in)
AC Power Cable
Instruction Manual

OPTIONAL ACCESSORIES

Paramagnetic Oxygen Sensor, Humidifier
Reusable Respiratory Circuit Pediatric, Reusable Respiratory
Circuit Neonate, Reusable NIV Mask Pediatric

PHYSICAL CHARACTERISTICS

15" Inch Touch Screen Color LCD Display.
Serial Interface RS 232.
Keys: stand by; Insp Hold; Exp. Hold; O2 100%; Manual Insp; Lock.
Measurement of: pressure, flow, concentration of oxygen in the
breathing circuit. Barometric and pipeline pressure measurement.
Loudspeaker to indicate alarms and alerts.
External Inlet 100-240VAC - 50/60Hz.
On-Off button.
Galvanic O2 Sensor (paramagnetic sensor is optional).
Distal Flow Sensor (Hot Wire.)
Last Adjustments Start Up.
Nebulizer Synchronized with Inspiration and Volume Compensation.
Traqueal Gas Insufflation (TGI).
100% O2 to automatic system of aspiration.
Automatic gas commutation in case of fault of oxygen or air compressed.
Automatic Adjustment of Parameters According Patient Weight.
Trend.

ALARM SYSTEM AND SAFETY

Initial Auto Test
Leakage test
Automatic calibration
Anti-asphyxiation Valve
Safety Relief Valve 100hPa
Alarm Indicator Light (LED) with High Viewing
HIGH/LOW Pressure: OFF, 0 to 120cmH2O
HIGH/LOW PEEP: OFF, 0 to 80cmH2O
HIGH/LOW Volume: OFF, 0 to 3000ml
HIGH/LOW Respiratory Frequency: OFF, 0 to 200bpm
HIGH/LOW Minute Volume: OFF, 0 to 99L/min
FIO2: OFF; 21 to 100%
Apnea: OFF; 5 to 60s
Automatic Adjustment of Alarms: OFF; 10% , 20% , 30%
Low Battery
Air/ O2 Low Pressure alarm
Disconnection/Obstruction of Respiratory Circuit
AC Input Fail
AC Input Fail

INTERNAL BATTERY LI-ION

Internal Li-Ion Battery 11.8Vdc; Intelligent Battery Charger
Internal Battery Autonomy: 180min

CONNECTION TO OXYGEN SUPPLY

Oxygen Inlet - DISS male 9/16" 18 threads
Oxygen Gas Pressure: 40 to 150PSI (280 to 1035 Kpa)
Hoses and Connections according ISO 5359:2000

AIR COMPRESSOR

Compact Size & Integrated Medical Grade Air Compressor
Microprocessor controlled with audio visual alarms ensuring safety
Continuous flow of 40L/Min at 3.5-7kg/cm2 pressure
Peak flow of upto 180L/min
Low Noise & Vibration

ENVIRONMENT AND PHYSICAL SPECIFICATIONS

Dimension: Weight: 18Kg
Operation: Temperature: -10 to 50°C; Barometric
Pressure: 600 to 1100cmH2O;
Relative Humidity (no condensation): 15 to 95%
Power Input : Single Phase 220V, 50 Hz AC

*Specifications, design and / or accessories listed in the catalogue subject to change without prior notice

MANUFACTURED & SERVICED BY:

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