

OXYMAG

THE VENTILATOR THAT THINKS FAST DURING THE EMERGENCY TIME



OXYMAG - TRANSPORT

Ventilates from neonatal extreme-low-weight patients to adults.



MAGNAMED REMOTE ASSISTANCE (ARM) TECHNOLOGY MAKES DIFFERENCE



Registration MS: 80659160001

DIN EN 794-3:2009

NBR IEC60601-1-2:2006; NBR IEC 60601-1:1997

Degree of Protection IPX4

Innovation within your reach

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Physical Characteristics
5.7 LCD Colour Touch Screen Display 320x240 pixels
RS232-C interface to remote assistance
Keys: stand by; Hold Insp; Hold Exp; 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
12Vdc external inlet
On-Off button
Galvanic oxygen sensor (built in as standard)
Power supply AC/DC 100-240Vac to +12Vdc
Handle to fixation at the bed
Peak Flow: 180L/min
Automatic Barometric Pressure Compensation
Invasive and No Invasive ventilation

Modalities
VCV, PCV, PLV (can be assisted); V-SIMV+PS; P-SIMV+PS; DUALPAP/ APRV; CPAP/PS; NIV available in all ventilation modes

Controls
Tidal volume: 10 to 2500ml
Rate: 0 to 150bpm
Rise time: 0 to 2.0s
Inspiratory Pause: 0 to 70%
Maximum Pressure Limit: 0 to 60cmH2O
Inspiratory Pressure: 1 to 60cmH2O
ΔPS - Pressure Support: OFF ; 5 to 60cmH2O
PEEP: 0 to 40cmH2O
Pressure Trigger: OFF ; -0.2 to -10cmH2O
Flow Trigger: OFF; 0.5 to 30.0L/min
Flow Cycling (PS): 5% to 80%
O2 Concentration : 35% to 100% (21% to 100% can be reached using external blender)
Inspiratory Time : 0.1s to 10s
Inspiratory Flow Wave: Square , Decelerate , Accelerate, Sine
CPAP: 1 to 40cmH2O
Pressure High: 1 to 60 cmH2O; Pressure Low: 0 to 40cmH2O
Time High: 0.20s to 59.80s; Time Low: 0.2s to 59.8s
I:E Ratio: 1:4 to 4:1
Backup ventilation: available in all spontaneous modalities
Inspiratory Flow: 0 to 180L/min
Oxygen Digital Flowmeter: 0 to 15L/min
Automatic adjustment of parameters according patient weight

Ventilation Monitor
Curves: Pressure x Time; Flow x Time; Volume x Time
Loops: Volume x Pressure; Flow x Volume
Curves: CO2 x Time; SPO2 x Time
Bargraph of Instantaneous Pressure
Maximum Pressure; Mean; Plateau
PEEP and Intrinsic PEEP
Inspiratory Volume; Expiratory Volume; Minute Volume; Spontaneous Volume; Spontaneous Minute Volume
Static and Dynamic Compliance
Air Way Resistance
Inspiratory and Expiratory Time
I:E Ratio

Respiratory Frequency Total and Spontaneous
FIO2
SpO2, Cardiac Frequency; ETCO2

Alarm System and Safety
Anti-asphyxiation Valve
Safety Relief Valve 100hPa
High / Low Pressure: OFF; 1 to 80cmH2O
High / Low Peep: OFF; 1 to 80cmH2O
High / Low Minute Volume: Off; 0.1 to 99L/min
High / Low Respiratory Rate: Off; 1 to 150bpm
Apnea: OFF; 5 to 60s
Automatic Alarm Adjustments: Off 10, 20 or 30%
Low Battery
Low O2 Pressure
Respiratory Circuit Disconnection / Obstruction
AC Input Fail
High / Low SpO2
High / Low Cardiac Frequency OFF – 40 – 180BPM
High / Low EtCO2: Off; 1 to 80mmHg
Inspiratory CO2: OFF; 1 to 80mmHg
Attention IRMA adaptor
Connect IRMA Sensor
Change IRMA Sensor
CO2 Out of Range
IRMA Reading Error
Sensor out of Finger
* Capinograph and Oximeter Sensors are optional accessories

Battery
Internal Li-Ion Battery 11.8Vdc; Intelligent Battery Charger
Internal Battery Autonomy: 6.5h

Connection to Oxygen Supply
Oxygen Inlet – DISS male 9/16" 18 threads
Oxygen Gas Pressure: 40 to 150PSI (280 to 1035 Kpa)

Environmental and Physical Specifications
Dimension: 231 X 244 X 185mm
Weight: 3.25Kg
Operation: Temperature: -10 to 50°C ; Barometric Pressure: 600 to 1100cmH2O; Relative Air Humidity (no condensation): 15 to 95%

Standard Accessories
Flow sensor kit (adult, pediatric, neonate) with 1 silicone flow sensor line
Exhalation Valve with Diaphragm
Adult Respiratory Circuit Autoclavable
Power supply AC/DC 100-240Vac to +12Vdc
Oxygen Hose DISS X2 – 2m
Envelope with 3 Ambient Air Filter

Optional Accessories
Vertical Support; Hand bag for Transportation
Trolley with front well lock; articulated arm
Blender of air and oxygen
Humidifier
Pulse Oximeter (SpO2) and Capinograph (CO2)