

EMV+[®] 731 SERIES

ZOLL[®]



VENTILATION SIMPLIFIED[™]

Portable Ventilator

Full Patient Range

For patients from infant (≥ 5 kg) through adult

Smart Help™ Display

Guides operator through on-screen commands when responding to alarms

Intuitive Design

User-friendly, straight-forward interface

Unprecedented Battery Run-Time

No additional battery back-up needed thanks to a 10-hour battery run-time. Battery recharges to 90% in 2 hours.

AWR Certified

Airworthiness Release certified for use aboard U.S. Air Force and U.S. Army aircraft, both fixed-wing and rotor, during all phases of flight.

Rugged, All-Weather Device

Under 10 lbs (4.5 kg) yet rugged. Designed for the unique needs of air medical patient transport.

EMV+® 731 Series Specifications

Clinical Specifications

Operating Modes: AC, SIMV, CPAP and BL

Breath Target: Volume and pressure

Special Functions: Plateau Pressure, Manual Breath, Apnea Back Up, Oxygen in Use, Inverse Ratio

Flow Rate: 0 to 100 LPM

Breath Rate: 0 to 80 BPM

Tidal Volume: 50 to 2000 ml

ATPD +/- 10% of setting

Inspiratory Time: 0.3 to 5.0 seconds

I:E Ratio: 1:9 to 4:1

FiO₂: 21 to 100% +/- 3% of full scale +/- 10% of setting

PEEP: 0 to 30 cm H₂O

Peak Inspiratory Pressure (PIP):

10 to 80 cm H₂O

Trigger Sensitivity: -0.5 to -6.0 cm H₂O

Oxygen Input Pressure: 55 psig (-25%; +20%) (380 kPa)

Safety Specifications:

Airway Pressure High Limit: 20 to 100 cm H₂O values

Airway Pressure Low Limit: Off, 3 to 35 cm H₂O

BPM High Alarm Limit: Off, 2 to 60

BPM Low Alarm Limit: 2 to 40

LED Status/Alarm Indicator: Red, yellow, and green LCD/LED adjustable

Environmental

Operating Voltages: 100 to 240 VAC (50/60 Hz) or 12.5 to 28.0 VDC

Operating Time: Internal Battery 10 hours

Temperature Ranges:

Operating: -25° to 49°C (-13 to 120°F) with battery charging, battery discharge and AC power operation

Battery Charging: 0° to 45°C (32° to 113°F)

Long-Term Storage: -15° to 21° C (5° to 71°F) Optimal storage conditions

Altitude Compensation:

-2,000 to 25,000 ft. (-610 to 7,620 meters)

Temperature and Humidity Testing: MIL STD 810F

Ingress Testing: MIL STD 810 F

Shock and Vibration Testing: MIL STD 810F

Altitude Testing: MIL STD 810F

EMC Testing: MIL STD 461F

Military Vehicle Power: MIL STD 1275

General

Size: 8.0" wide x 12.5" high x 4.5" deep (20.3 cm wide x 31.8 cm high x 11.4 cm deep)

Weight: 9.7 lbs (4.4 kg)



ZOLL Medical Corporation
Worldwide Headquarters
269 Mill Road
Chelmsford, MA 01824
978-421-9655

For subsidiary addresses and fax numbers, as well as other global locations, please go to www.zoll.com/contacts.

©2017 ZOLL Medical Corporation. All rights reserved. EMV+, SmartHelp, Ventilation Simplified, and ZOLL are trademarks or registered trademarks of ZOLL Medical Corporation in the United States and/or other countries. All other trademarks are the property of their respective owners.

MCN IP 1704 0188

ZOLL