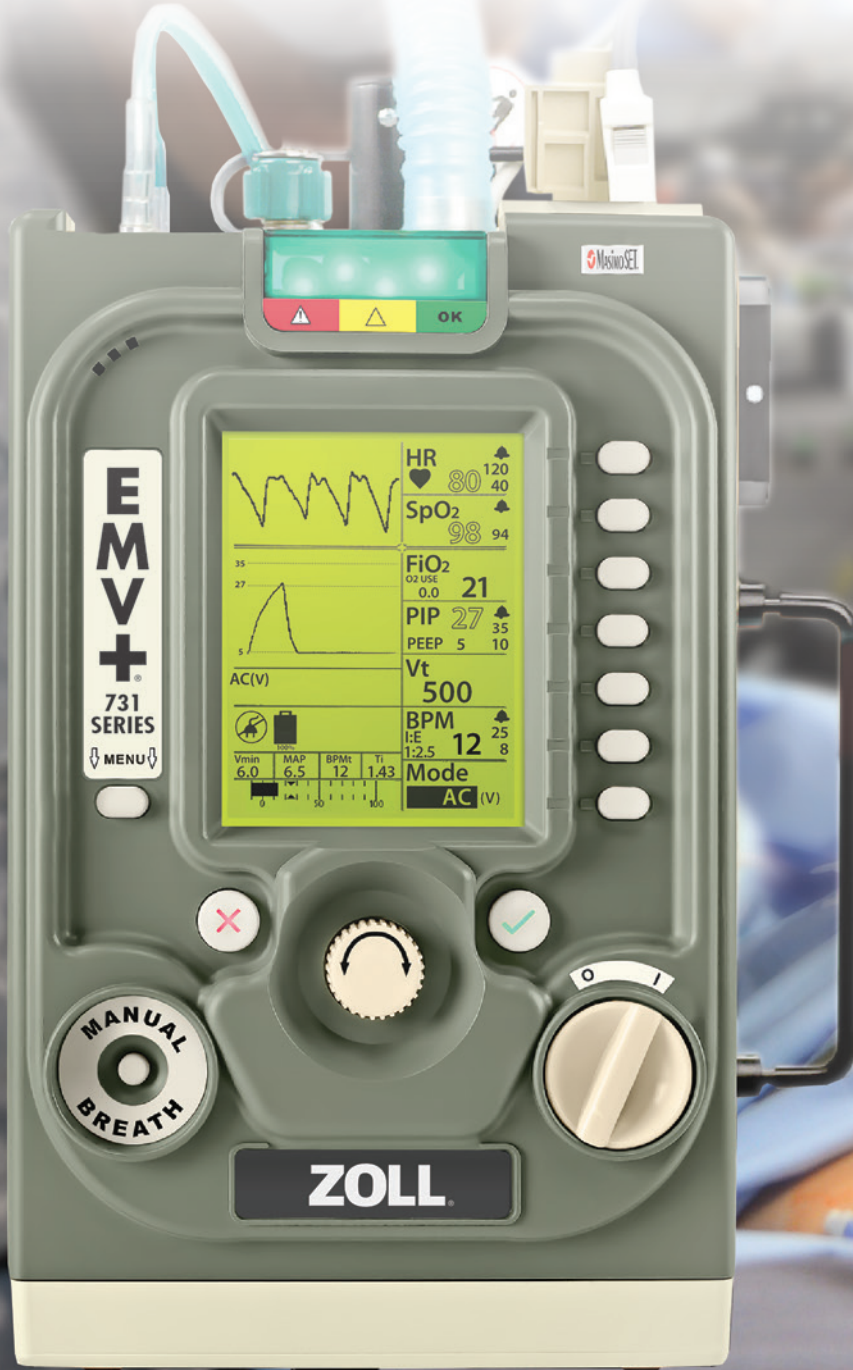


EMV+[®] 731 SERIES

ZOLL[®]



*Military Tough,
Clinically Proven*

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

Versatility with Standard Military Equipment

Functions with deployed oxygen concentrator systems used by the military

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. Approved for use during all phases of flight aboard both fixed-wing and rotary wing, U.S. Air Force and Army, aircraft.

Silent and Dark Mode

Can be switched to a silent and dark mode, preventing it from interfering with advanced infrared night-vision equipment

Rugged, All-Weather Device

Designed for the unique needs of the military to handle austere environments. Meets an unprecedented set of military standards.

ZOLL Medical Corporation Worldwide Headquarters

269 Mill Road
Chelmsford, MA 01824
978-421-9655
800-804-4356

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

EMV+® 731 Series Specifications

Clinical Specifications

Operating Modes: AC, SIMV with or without pressure support, and CPAP (NPPV/PPV) with or without pressure support

Breath Target: Volume and pressure

Flow Rate: 0 to 100 LPM @ 40 cm H₂O

Breath Rate: 1 to 60 BPM

Tidal Volume: 50 to 1500 ml

ATPD \pm 10% of setting

Inspiratory Time: 0.3 to 3.0 seconds

I:E Ratio: 1:1 to 1:99.9

FiO₂: 21 to 100% \pm 3% of full scale \pm 10% of setting

PEEP: 0 to 25 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

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. (-601 to 7,620 meters)

AWR Certified: Approved for most U.S. Military aircraft

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 F

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)

