

# **IMPACT<sup>®</sup> UNI-VENT<sup>®</sup> 731 SERIES MODEL EMV+<sup>®</sup> SPECIFICATIONS**

Operating Modes	AC, SIMV, CPAP with and without Pressure Support and with and without Noninvasive Positive Pressure Ventilation (NPPV/PPV)
Breath Target	Volume and pressure
Flow Rate	0 to 100 LPM @ 40 cm H <sub>2</sub> O (3922 Pa)
Breath Rate	1 to 60 BPM
Tidal Volume	50 to 1500 ml ATPD +/- 10% of setting
Inspiratory Time	0.3 to 3.0 seconds
FIO <sub>2</sub>	21 to 100% +/- 3% of full scale +/- 10% of setting
PEEP	0 to 25 cm H <sub>2</sub> O (0 to 2451 Pa) (The minimum PEEP in CPAP-NPPV mode is 3 cm H <sub>2</sub> O)
Peak Inspiratory Pressure (PIP)	10 to 80 cm H <sub>2</sub> O (980 to 7845 Pa) (values >60 cm H <sub>2</sub> O require secondary user confirmation) +/- 5 cm H <sub>2</sub> O +/- 10% of setting
Oxygen Input Pressure	55 psig (-25%; + 20%) (379170 Pa)
Airway Pressure High Limit	20 to 100 cm H <sub>2</sub> O values (1961 to 9806 Pa)
Airway Pressure Low Limit	Off, 3 to 35 cm H <sub>2</sub> O (294 to 3432 Pa)
Breath Trigger	-6.0 to -0.5 cm H <sub>2</sub> O (-588 to -49 Pa) below baseline/PEEP
PIP Bar Graph	-10 to 100 cm H <sub>2</sub> O (-980 to 9806 Pa)
LED Status/Alarm Indicator	Red, yellow and green
Alarm Volume	82 dBA @1-meter
Noise Level	~60 dBA when measured @1-meter (operating at default settings using the compressor only)
Operating Voltages	100 to 240 VAC (50/60 & 400 Hz) or 12.5 to 28.0 VDC, verified by Impact <sup>®</sup> Instrumentation 100 to 240 VAC (50/60 Hz) or 12.5 to 28.0 VDC, SGS listed
Operating Time	
Internal Battery	10 hours at default settings
Temperature Ranges	
Operating	-25° to 49° C (-13° to 120° F) battery discharge and AC power operation based on Impact <sup>®</sup> Instrumentation validation 10° to 40° C (50° to 104° F) with battery charging, battery discharge and AC power operation (SGS listed)
Battery Charging	0° to 45° C (32° to 113° F)
Long Term Storage	-15° to 21° C (5° to 71° F) Optimal storage conditions
Control Accuracy/Precision	± 10% of setting for all measured values & controls not other specified
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)
Warranty	Limited, 1-year (see LIMITED WARRANTY statement)

**Note: Impact Instrumentation Inc., reserves the right to change these specifications without prior notification.**

p/n 929-EMVP-00 Rev A      Updated 10/11