

IMPACT MODEL 754 SPECIFICATIONS:

OPERATING MODES:	ACV – with/without PEEP, SIGH, and PRESSURE PLATEAU SIMV – with/without PEEP, SIGH, and PRESSURE PLATEAU CPAP – with/without PEEP CMV – for APNEA backup of ACV, SIMV and CPAP
DELIVERABLE GAS(ES):	Air (Internal Compressor, External 50-PSI); Oxygen (External 50-PSI)
TIDAL VOLUME RANGE:	0 to 3000 ml
I:E RATIO:	1:1 Preset, Adjustable 1:1 to 1:599
SENSITIVITY:	Default, 1.5 to 2.0 cmH ₂ O; adjustable, 1.0 to 6.0 cmH ₂ O
FLOW RATE:	Adjustable, 0 to approximately 60 LPM (0 to approximately 1000 ml/SEC)
VENTILATION RATE:	Adjustable, 1 to 150 breaths per minute, resolution 1 breath per minute (+/- 1 digit on the LCD)
INSPIRATION TIME:	Adjustable, 0.1 to 3.0 seconds, resolution in 0.1 second increments (+/- 1 digit on the LCD); 1:2 I:E RATION Preset
FiO₂:	Adjustable, 21% to 100% (Internal Air/Oxygen Mixer), resolution in 1% increments, accurate to within +/- 10%
LOW PRESSURE ALARM:	Adjustable, 0 to 50 cm H ₂ O, resolution in 1 cmH ₂ O increments (+/- 1 digit on the LCD)
HIGH PRESSURE ALARM:	Adjustable, 15 to 100 cm H ₂ O, resolution in 1 cmH ₂ O increments (+/- 1 digit on the LCD)
PEAK INSPIRATORY PRESSURE RELIEF:	Adjustable, 15 to 100 cmH ₂ O, resolution in 1 cmH ₂ O increments (+/-1 digit on the LCD)
PRESSURE PLATEAU:	Range, 5 to 90 cmH ₂ O (referenced to HIGH PRESSURE ALARM set-point)
ASSIST/SIMV SENSITIVITY:	Default, 1.5 to 2.0 cmH ₂ O below end pressure (see USER PROGRAMS)
PEEP:	Program range 1 to 20 cmH ₂ O, resolution in 1 cmH ₂ O increments (+/- 1 digit on the LCD)
SIGH:	Occurs once every 100-ventilations or 7-minutes, whichever occurs first. SIGH duration = 150% V _T (truncated or combined maximum of 3-sec)
LIQUID CRYSTAL DISPLAY:	EXTERNAL AIR, SIGH, PEEP, PRESSURE PLATEAU, HIGH PRESSURE ALARM SETTING, LOW PRESSURE ALARM SETTING, VENTILATION RATE, INSPIRATION TIME/I:E RATIO, TIDAL VOLUME, AIR/OXYGEN MIXER, MODE, INSPIRATION/EXHALATION, POWER, PEAK AIRWAY PRESSURE, MEAN AIRWAY PRESSURE, DIGITAL BAR GRAPH, HIGH/LOW, AIRWAY PRESSURE ALARM SETPOINT INDICATORS, P _{aw}
LED INDICATORS:	CHARGE/ALARM/SYSTEM FAILURE
LCD DIGITAL BAR GRAPH:	Range -10 to 100 cmH ₂ O
LCD ALARM DISPLAY:	BATTERY LOW, EXTERNAL POWER LOW, LOW PRESSURE, O ₂ LOW/FAIL, DISCONNECT, HIGH PRESSURE, APNEA, V _T , HIGH PEEP, EXT AIR LOW/FAIL, FIO ₂ , INVERSE I/E, COMP, PRESSURE ALARM SETTINGS, TRANSDUCER CALIBRATION, TRANSDUCER CALIBRATION ABORT, SYSTEM FAILURE, VENTILATOR FAIL, INSPIRATION TIME TRUNCATED TO 3-SECONDS, PLATEAU VOLUME, PREVENTATIVE MAINTENANCE DUE, V _T SETTINGS, EXTENDED NON-USE/STORAGE, EXTERNAL POWER FAILURE

(754 SPECIFICATIONS cont'd):

USER PROGRAM MENU:	LCD Backlight Threshold, LCD Contrast, Trigger Level Sensitivity, Spontaneous Flow, Demonstration Mode
LED ALARM INDICATORS:	ALARM, SYSTEM FAILURE
ALARM VOLUME:	80 dBA @ 1 ft
MANUAL BREATH TRIGGER:	Yes
ALTITUDE COMPENSATION:	Yes
INTERNAL BACKUP VENTILATOR-	Yes
RS-232C COMMUNICATIONS PORT:	Yes
NOISE LEVEL:	Less than 80 dBA when measured @ 1-meter (compressor operating)
<u>OPERATING VOLTAGES</u>	
VENTILATOR:	11-15 volts, DC (negative ground)
UNIVERSAL AC POWER SUPPLY:	Model 754 (standard) – Input: 100 to 240 VAC, 50/60 HZ, auto-sensing 0.55-1.33A, 133W. Output Voltage is 13.0VDC, 6A, 78W. Shock Protection: Type B, Class 1
<u>OPERATING TIME</u>	
INTERNAL BATTERIES:	3-hours, maximum, using internal compressor 12-hours using external gas
EXTERNAL AC:	Continuous
EXTERNAL DC:	Continuous
<u>TEMPERATURE RANGES</u>	
OPERATING:	-25°C to 49°C (-13°F to 120°F)
CHARGING:	-20°C to 50°C (-4°F to 122°F)
LONG TERM STORAGE:	10°C to 30°C (50°F to 80°F)
<u>SIZE</u>	
VENTILATION SYSTEM:	8.87" Wide x 11.5" High x 4.5" Deep (22.55 cm Wide x 29.21 cm High x 11.43 cm Deep)
AC POWER SUPPLY (STANDARD):	7.75" Wide x 2.62" High x 4.75" Deep (19.69 cm Wide x 6.65 cm High x 12.07 cm Deep)
<u>WEIGHT</u>	
VENTILATION SYSTEM:	13 lbs (5.8 Kg)
AC POWER SUPPLY (STANDARD):	3 lbs (1.36 Kg)
CERTIFICATION:	EMI/RFI (includes aeromedical)
WARRANTY:	Limited, 1-year (see LIMITED WARRANTY statement)

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