



Bio-Med Devices **CROSSVENT4**

Intensive Care/Transport Infant through Adult Ventilator

- ◆ Air and Ground Transport
- ◆ Intra and Inter Hospital
- ◆ Recovery Room
- ◆ Assist Control, SIMV, CPAP
- ◆ Subacute Care
- ◆ Touchscreen Controls
- ◆ 12 Built-in Alarms
- ◆ Pressure Support
- ◆ 15 Hour Battery
- ◆ Built-in Alarms

The Crossvent 4 Intensive Care/Transport Ventilator is an ultra-compact, electronically controlled time cycled, volume or pressure limited ventilator offering a wide range of ventilatory support of patients from infant through adult. It may be used as a pulsatile device or with constant flow.

The CV-4's microprocessor makes possible such advanced functions as PWI (pressure wave index), lung mechanics and waveforms, and foreign language menus. Its RS232 port allows for simple and instant software upgrades.

Using its Auto-Set feature, the main alarms may be set in a matter of seconds with a single key stroke. Of course, all of the alarms may also be manually adjusted.

Airway pressure is sensed using an internal solid state pressure transducer and pressure is displayed as a bar graph on the monochrome LCD. A flow transducer is available as an option to measure exhaled tidal volume and exhaled minute volume. The CV-4 also has an internal transducer that monitors atmospheric pressure and automatically compensates for altitude changes.

The CV-4 may be powered by a compressor, blended gas or 100% oxygen and may be used in most areas of the hospital, including Intensive Care, Recovery Room, Emergency Room, Sub-Acute Care and Transport.

The internal battery provides power during transport and in the event of AC power failure. If the external power should fail, the CV-4 will automatically switch to its battery power and sound an alarm. A fully charged battery will last approximately 15 hours.

Crossvent 4 Display Menus

PEAK 38	MAIN	SEC	ALRM1	ALRM2	VIEW	OPTS	EXHTV OFF
100	RATE	20	BABY	ADULT	ASIST CNTRL	SIMV	CPAP MAN
80	TV	500	SENSITIVITY cmH2O 0.8 SIMV RATE BPM 4.0 PRES SUPPORT cmH2O OFF				
60	I/E	1:2.0					
40	FLOW	30					
20	ALARM QUIET	AUTO SET					
0	MAN	LOCK					
PEEP 6	CNTRL	EXT POWER		O2 QUIET	TEST	CAL	

MAIN MENU

PEAK 38	MAIN	SEC	ALRM1	ALRM2	VIEW	OPTS	
100	RATE	20	SIGH OFF AUTO SHIFT SEC OFF PLATEAU %INSP 25 NEBULIZER OFF 00:00 10				
80	TV	500					
60	I/E	1:2.0					
40	FLOW	30					
20	ALARM QUIET	AUTO SET					
0	MAN	LOCK					
PEEP 6	CNTRL	BATT		O2 QUIET	↓	↑	

SECONDARY MENU

PEAK 38	MAIN	SEC	ALRM1	ALRM2	VIEW	OPTS	
100	RATE	20	PEAK cmH2O 27 38 50 RATE BPM 14 20 26 O2 % 55 60 65 EXHTV ML 400 484 550 EXHMV L 8.6 9.6 10.8		LOW		HIGH
80	TV	500					
60	I/E	1:2.0					
40	FLOW	30					
20	ALARM QUIET	AUTO SET					
0	MAN	LOCK					
PEEP 6	CNTRL	BATT		O2 QUIET	↓	↑	

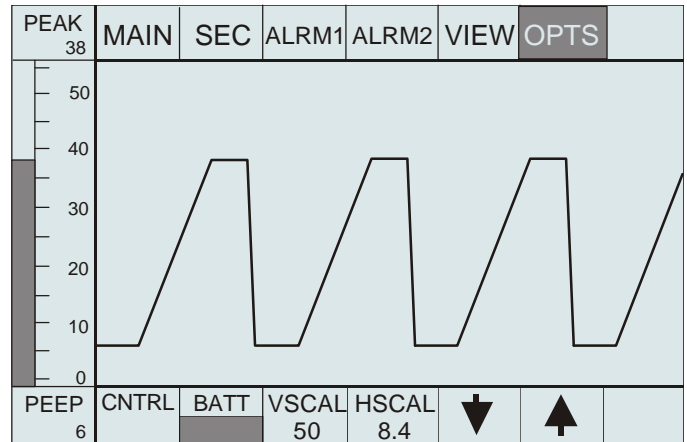
ALARM 1 MENU

PEAK 38	MAIN	SEC	ALRM1	ALRM2	VIEW	OPTS	
100	RATE	20	PEEP cmH2O 4 6 8 MEAN cmH2O 14 16 18 TEMP °C 36.5 37.0 37.5 PWI MS 130 150 170		LOW		HIGH
80	TV	500					
60	I/E	1:2.0					
40	FLOW	30					
20	ALARM QUIET	AUTO SET					
0	MAN	LOCK					
PEEP 6	CNTRL	BATT		O2 QUIET	↓	↑	

ALARM 2 MENU

PEAK 38	MAIN	SEC	ALRM1	ALRM2	VIEW	OPTS	
100	RATE	20	TIDAL VOLUME ML 500				
80	TV	500	CORRECT VOLUME ML 484				
60	I/E	1:2.0	INSP TIME SEC 1.00				
40	FLOW	30	EXP TIME SEC 2.00				
20	ALARM QUIET	AUTO SET	PLATEAU PRES cmH2O OFF				
0	MAN	LOCK	SPONTANEOUS EXH MV L 10				
PEEP 6	CNTRL	BATT		O2 QUIET	↓	↑	

VIEW MENU



OPTIONS MENU

(Lung Mechanics and Pressure Waveforms)

Specifications

<u>Parameter</u>	<u>Range</u>
Rate	Adult Mode 5-150 bpm Baby Mode .6-150 bpm
Tidal Volume	5-2500 ml
I/E Ratio	3:1 to 1:99
Flow Rate	1-120 lpm
Peak Pressure	0-120 cmH ₂ O
PEEP Pressure	0-35 cmH ₂ O
Sensitivity	-.2 to -10 cmH ₂ O
Pressure Support	0-50 cmH ₂ O
SIMV Rate	.6-30 bpm
Plateau	10-33%
Shift Delay	10-30 seconds
O ₂ Sensor	21-100%
Continuous Flow	0-29 lpm
Sigh	0-2500 ml

Ventilation Modes

Adult/Infant ♦ Assist Control ♦ SIMV
CPAP ♦ Pressure Support ♦ SIGH

Monitors/Alarms

Standard

Peak Pressure ♦ Rate ♦ Apnea
PEEP/CPAP ♦ Mean Pressure
PWI ♦ Low Battery ♦ Oxygen
Temperature

Options

Blender or Air Entrainment
Exhaled Tidal Volume
Exhaled Minute Volume

Physical Characteristics

Size: 10.25" x 9.75" x 5.38"
(26 cm x 24.8 cm x 13.7 cm)
Weight: 9 lbs.
(3.6 kg)

Ordering Information

4400 Basic CROSSVENT 4

Add the following letters to the end of 4400 for desired options

B	Attached Blender- N/A with entrainment
A	Air-Entrainment- N/A with attached blender
E	Exhaled Volume Monitor & Alarm

Standard Accessories

80011	Disposable Adult Circuit	1020	Adult Test Lung
20011	Disposable Baby Circuit	1022	Infant/Pediatric Test Lung
4433	Oxygen Sensor Cell w/cable	4431	Instructional CD-ROM
2013	Standard Pole Mount Bracket	4404	Instruction/Service Manual

Optional Accessories

1060-5H	Heavy Duty Roll Stand (includes tilt bracket)	2013SA	Circuit Support Arm
		2013SH	Support Arm Bracket
4415	Filter Water Trap (Air)	2013BH	Blender Pole Bracket
4414	Filter Water Trap (O ₂)	40011	Pediatric Circuit
10003	Temperature Sensor	1061H	Cylinder Bracket



Crossvent 4 on
Heavy Duty Stand
with detached Blender



Crossvent 4 on
Heavy Duty Stand
With detached blender,
Cylinder Brackets and Cylinders

Distributed by



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