

LTV[™] 1200 portable ventilator

Experience the freedom: One ventilator, one circuit, multiple sites of care

The ventilation tools you need, throughout the continuum of care, for patients 5 kg and above

At a fraction of the size of comparably equipped systems, the LTV 1200 ventilator provides the ventilation tools you need, where you need them–critical care, emergency departments and emergency preparedness, patient transport and long-term care.

A wide range of ventilation therapies for patients

The LTV 1200 ventilator offers both invasive and noninvasive modes of ventilation in Pressure Control, Pressure Support, Volume Control and Spontaneous Breath Types.

Patient presets for quick initiation of ventilation

Choose infant, pediatric or adult to quickly configure initial ventilation before optimizing settings for each patient's needs. This feature is proven to be simple and effective for emergency setup.

Unique Spontaneous Breathing Trial (SBT)

The SBT feature enhances the clinician's effectiveness during weaning with the potential to save time and money in the process. The SBT works using Rapid Shallow Breathing Index (RSBI) criteria to assess a patient's ability to be weaned. Clinicians can also optimize trial settings to each individual patient, ensuring the most favorable levels of support throughout the weaning process. The SBT feature allows the patient to synchronize their breathing pattern with Pressure Support and/or CPAP with variable rise time, flow termination and time termination.

Oxygen (O₂) resource management tool

The O2 conserve feature reduces O_2 consumption when the time and place of care require it. This feature extends the sometimes scarce resource of O_2 during transport or emergencies, and may be turned off when O_2 resources are again in full supply.





Enhanced monitoring capabilities

Upgrade your system with our LTMTM Graphics Monitor, and you will be able to improve comprehensive monitoring of critical patient-ventilator interaction. The graphics monitoring package displays real-time pressure, flow and volume curves with adjustable cursors for accurate breath data measurement. The LTM monitor also displays flow/volume loops and volume/pressure loops to enhance patient assessment. Patient data can be trended for up to 24 hours for clinical evaluation.

Customizable system configurations

The LTV 1200 ventilator system can be custom configured with a wide range of accessories to meet the needs of the most demanding care environments.

Accessories	Part number
LTM graphics monitor package	17650-001
Floor stand	10611
Short crossbar	11451
Long crossbar	11452
Circuit support arm	11501
Humidifier pole	11453
Utility basket	11450
SprintPack [™] lithium-ion power system	19222-001
SprintPack bracket	19096-001
SprintPack transport pack	19102-001

Specifications

Physical specification	ons with boots (approx.)
Weight	14.5 lb (6.5 kg)
Height	3.25" (8.4 cm)
Width	10.5" (27 cm)
Depth	13.5" (38 cm)
Variable alarms	
Apnea interval	10 to 60 sec
High pressure limit	5 to 100 cmH ₂ O
Low peak pressure	Off, 1 to 60 cmH_2O
Low minute volume	Off, 0.1 to 99 L
High PEEP	Off, 3 to 20 cmH $_{\!2}\text{O}$ above set PEEP
Low PEEP	Off, -3 to -20 cmH $_{\rm 2}{\rm O}$ below set PEEP
High rate	Off, 5 to 80 BPM
Alarm volume	60 to 85 dBA

PowerOn/StandbyVentilation modesControl, Assist/Control, SIMV/ CPAP and NPPVBreath typesVC, PC, PS and spontaneousBreath rate0 to 80 BPMTidal volume50 to 2,000 mLInspiratory time0.3 to 9.9 secPC/PS/Spont. flow160 LPMPressure control1 to 99 cmH,OPressure support1 to 60 cmH20SensitivityOff, 1 to 9 LPMO2%21 to 100%O2,flush1 to 3 minLow pressure O2On/OffPEEP/CPAP0 to 20 cmH20Inspiratory pressure0 to 100 cmH20Insp/Exp hold6 sec maxManual breath1x current settingsControl lockEasy or hard unlock optionsPeak inspiratory pressure0 to 120 cmH20PEEP0 to 99 cmH20Preath rate0 to 250 BPMAirway pressure display-10 to 108 cmH20Exhaled minute volume0 to 199.9 LLie ratio99:1 to 1:99Calculated peak flow1 to 999 mL/cmH20Patient effortGreen LEDFixed alarms1 to 999 mL/cmH20Patient effortGreen LEDFixed alarms1 to 999 mL/cmH20Patient effortI to 999 mL/cmH20Patient effortI to 999 mL/cmH20Patient effortJ to 999 mL/cmH20Patient effortI to 999 mL/cmH20Patient effortI to 999 mL/cmH20Patient effortI to 999 mL/cmH20Patient effortI to 999 mL/cmH20Patient effort	Controls	
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Patient effort Green LED Fixed alarms Disconnect/sense External power low and lost High and low O2 inlet pressure Internal battery low and empty	AutoPEEP	0 to 100 cmH ₂ O
Fixed alarms Disconnect/sense External power low and lost High and low O2 inlet pressure Internal battery low and empty	Static compliance	1 to 999 mL/cmH₂O
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Internal battery low and empty	External power low and lost	
	High and low O ₂ inlet pressur	e
Ventilator inoperative	Internal battery low and emp	oty
	Ventilator inoperative	

SBT	
Ventilator presets (infant, p	pediatric and adult)
Variable rise time	
Variable flow termination	
Variable time termination	
Pressure control flow termi	nation
Leak compensation	
O ₂ conserve	
O ₂ cylinder duration calcul	ation
O₂ flush	
Apnea interval	
Pneumatic specifications	
High pressure O2 source	40 to 80 PSIG (2.8 to 5.5 bar)
Low pressure O ₂ source	<80 LPM, <10 PSIG
Power indicators	
External power	Green and amber LEDs
Battery charge status	Green, amber and red LEDs
Battery level	Green, amber and red LEDs
Power specifications	
Ventilator input 11 to 15 VD	С
AC adapter input 100 to 25	50 VAC
50 to 60 Hz	
Environmental specificat	ions
Operating temperature	5 to 40 °C (40 to 104 °F)
Storage temperature	-20 to 60 °C (-4 to 140 °F)
Operating humidity	15 to 95% relative
Storage humidity	10 to 95% relative
Shock compliance	MIL-STD-810F
Vibration compliance	MIL-STD-810F
Standards and regulator	y compliance
RTCA/DO-160F	
ANSI/UL STD 60601-1	
IEC 60601-2-12	
cETLus	
CAN/CSA C22.2 STD NO. 6	011



GLOBAL HEADQUARTERS

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