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MEDICAL

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 (O$_2$) 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	19222-201
SprintPack bracket	19096-001
SprintPack transport pack	19102-001

Specifications

Physical specifications 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$_2$O
Low minute volume	Off, 0.1 to 99 L
High PEEP	Off, 3 to 20 cmH$_2$O above set PEEP
Low PEEP	Off, -3 to -20 cmH$_2$O below set PEEP
High rate	Off, 5 to 80 BPM
Alarm volume	60 to 85 dBA

Controls	
Power	On/Standby
Ventilation modes	Control, Assist/Control, SIMV/CPAP and NPPV
Breath types	VC, PC, PS and spontaneous
Breath rate	0 to 80 BPM
Tidal volume	50 to 2,000 mL
Inspiratory time	0.3 to 9.9 sec
PC/PS/Spont. flow	160 LPM
Pressure control	1 to 99 cmH$_2$O
Pressure support	1 to 60 cmH$_2$O
Sensitivity	Off, 1 to 9 LPM
O$_2$%	21 to 100%
O$_2$ flush	1 to 3 min
Low pressure O$_2$	On/Off
PEEP/CPAP	0 to 20 cmH$_2$O
Insp/Exp hold	6 sec max
Manual breath	1x current settings
Control lock	Easy or hard unlock options

Monitors and indicators	
Peak inspiratory pressure	0 to 120 cmH$_2$O
Mean airway pressure	0 to 99 cmH$_2$O
PEEP	0 to 99 cmH$_2$O
Breath rate	0 to 250 BPM
Airway pressure display	-10 to 108 cmH$_2$O
Exhaled tidal volume	0 to 4,000 mL
Exhaled minute volume	0 to 99.9 L
I:E ratio	99:1 to 1:99
Calculated peak flow	10 to 100 LPM
AutoPEEP	0 to 100 cmH$_2$O
Static compliance	1 to 999 mL/cmH$_2$O
Patient effort	Green LED

Fixed alarms
Disconnect/sense
External power low and lost
High and low O$_2$ inlet pressure
Internal battery low and empty
Ventilator inoperative

Extended features
SBT
Ventilator presets *(infant, pediatric and adult)*
Variable rise time
Variable flow termination
Variable time termination
Pressure control flow termination
Leak compensation
O$_2$ conserve
O$_2$ cylinder duration calculation
O$_2$ flush
Apnea interval

Pneumatic specifications	
High pressure O$_2$ 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 VDC
AC adapter input 100 to 250 VAC
50 to 60 Hz

Environmental specifications	
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 regulatory compliance
RTCA/DO-160F
ANSI/UL STD 60601-1
IEC 60601-2-12
cETLus
CAN/CSA C22.2 STD NO. 601.1

LTV 1200 product specifications are subject to change.

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