



The Newport™ HT70 plus ventilator combines ruggedness, ease of use and clinical proficiency with exceptional mobility for patients from 5kg to adult. All models of the Newport™ HT70 ventilator family can be used for home care, transport, hospital, long-term care and emergency preparedness, as well as for invasive or noninvasive ventilation.

In addition to its standard clinical features, the Newport™ HT70 plus ventilator offers an on-airway flow sensor that provides expanded monitoring with alarms and the choice of flow or pressure trigger. With waveform graphics, an oxygen cylinder usage calculator and internal battery use time estimator, the Newport™ HT70 plus ventilator goes beyond standard portable ventilation.

## Features

- An on-airway flow sensor provides more choices for ventilation—inspiratory or expiratory monitoring and alarms, flow or pressure trigger.
- The hot-swappable battery provides up to 10 hours of operation (depending on settings). Batteries can be swapped out on the go for extended operation and added freedom without interrupting ventilation.
- The Battery Time Estimator provides added peace of mind during transports.
- Built-in oxygen monitoring and alarms alert users to changes or disruptions when using supplemental oxygen.
- The Cylinder Use Time Calculator helps estimate how long oxygen will last when on the go.
- The full-color touch screen provides easy access to all controls, simple navigation and a help guide for added convenience.
- With its rugged and reliable construction, the ventilator is designed to withstand rough treatment in a wide range of environments.
- A patented gas generator runs cool and quiet, is gas efficient and provides consistent volume delivery.
- Advanced features such as Alarm Quickset, custom presets and custom backup ventilation make this an exceptional portable ventilator.



# Specifications

## Dimensions

Width: 9.75 in. (24.74 cm)  
 Depth: 11 in. (27.94 cm)  
 Height (includes handle): 10.25 in. (26.04 cm)  
 Weight: 15.4 lbs (6.9 kg)  
 Touchscreen: 5.2 in. (13.20 cm) X 3.9 in (9.90 cm)  
 Nominal: 7 in. (17.78 cm) diagonal

## Patient Range

(≥5 kg) – Adult

## Controls/Settings

Modes (Pressure or volume): A/CMV, SIMV, SPONT  
 NIV (Noninvasive ventilation): On/off in all modes  
 VT (Tidal Volume): 50 to 2,200 mL  
 RR (Respiratory Rate): 1 to 99 b /min  
 i Time (Inspiratory Time): 0.1 to 3.0 sec  
 PEEP/CPAP: 0 to 30 cm H<sub>2</sub>O/0 to 30 mbar  
 PS (Pressure Support): 0 to 60 cm H<sub>2</sub>O/0 to 60 mbar\*  
 Flow: 6 to 100 L/min  
 I:E Ratio: 1:99 to 3:1  
 PC (Pressure Control): 5 to 60 cm H<sub>2</sub>O/5 to 60 mbar  
 Ptrigger (Sensitivity): -9.9 to 0 cm H<sub>2</sub>O/-9.9 to 0 mbar  
 Flow Trigger: 0.0 to 10.0 L/min, Off  
 Manual Inflation: 3 sec maximum  
 O<sub>2</sub> (oxygen): 21 to 100%  
 Bias Flow: NIV off: 7 L/min w/PEEP  
                   NIV on: 3 to 30 L/min w/PEEP  
 PS Max i time: 0.1 to 3.0 sec  
 PS % Exp. Threshold: 5 to 85%  
 Slope Rise: 1 to 10  
 Flow Wave Pattern: Square or descending  
 Auto Lock function: On/off  
 Language Selection: Multiple language options  
 \*PEEP + PS cannot exceed 60 cm H<sub>2</sub>O/mbar

## Monitored Parameters

Paw (Peak, Mean, Base): VTI / VTE (insp./exp. tidal volume)  
 MVI/ MVE (insp./exp. minute volume): Peak Insp. Flow  
 RR tot (total respiratory rate): Internal Dual Battery System  
 O<sub>2</sub> Concentration: I:E Ratio  
 O<sub>2</sub> Cylinder Use: Battery Use Time Estimator



## Specifications (Continued)

### Alarms

High/Low Airway Pressure: Apnea  
High/Low Baseline Pressure: High/Low Oxygen  
High Resp. Rate: Low Battery  
High/Low Minute Volume: Alarm Silence/Reset  
Device Alert: Back-up Ventilation Alert  
High Tidal Volume: Airway Flow Sensor Disconnect

### Specialty Screens

Events: Records up to 1,000 events with parameter settings  
Trends: Displays trend graphs for last 72 hours  
Waveform Graphics: Flow/pressure/tidal volume  
Help: Touch any button for a tutorial of that feature  
Domains: Basic, transport and hospital  
Export Data: Capture/download events and trends  
Patient Presets: Customized or default  
Customized Back Up Ventilation: Link with apnea and/or low MV and customize settings

### Power Requirements

100-240 VAC, max. 2A , 50/60 Hz  
12-24 VDC, max. 5A  
0.1A at nominal setting