

TV-100 VENTILATOR

Infant - Pediatric - Adult

TV-100 VENTILATOR

One Vent | All Patients | Anywhere



With superior portability, flexibility, and performance, the Bio-Med Devices' industry leading TV-100 Ventilator offers the latest technology, and provides the modes and performance of a full size ICU ventilator in a compact design that is ideal for transport.

MANUFACTURED BY:



Bio-Med Devices, Inc.
61 Soundview Road
Guilford, CT 06437

Proudly Made in the USA

Telephone: 1-800-224-6633 or 203-458-0202

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- **Full FiO₂ Capability:**

The TV-100 features an internal compressor which provides air supply without the need for external pressurized gas supplies. Oxygen may also be provided from a 50 psi gas source and is delivered via an internal blender in O₂ concentrations from 21 - 100%.

- **Dependable & Easy to Use:**

The TV-100 features dual, hot swap capable, rechargeable batteries that allow for uninterrupted use on the go and is capable of 7 to 11 hours of continuous battery operation with fully charged batteries. The TV-100 offers the user a simple set-up assistant to get up and running fast, when seconds count. The user can also take full advantage of advanced features like waveform graphs and loop graphs to provide complete patient care.

- **Unmatched Capability:**

The TV-100 offers the capability to ventilate the smallest of premature infants to the largest of adult patients. This wide range of use, as well as the inclusion of non-invasive modes, sets the TV-100 apart.

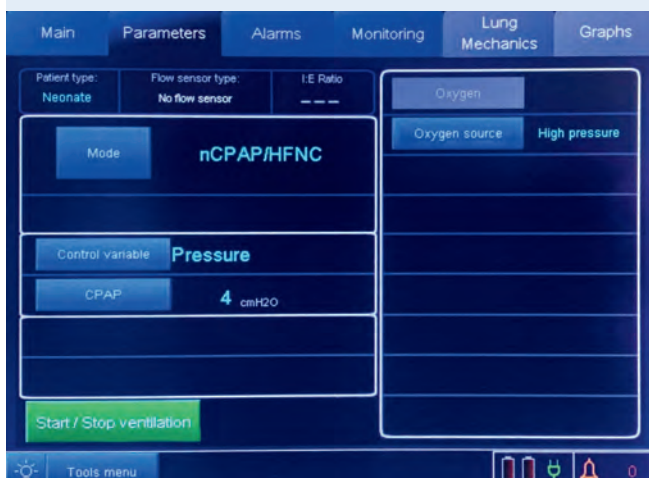


NIV Mode

- A diverse mode that can be used for many non-invasive applications
- Differing inspiratory and expiratory pressures (IPAP and EPAP)
- With or without a set rate
- With or without apnea backup
- Can be used with a vast array of neonatal nasal CPAP interfaces

PRVC Mode

- Pressure regulated volume control
- Inspiratory pressure adjusts up or down to maintain a set target tidal volume
- Volume guarantee



HFNC/nCPAP

- Provide non-invasive nCPAP for infants
- Use this mode to provide flow to a resuscitation bag prior to intubation
- Provide flow to a high flow cannula (up to 60 lpm for adults)
- Provide flow to a low flow neonatal cannula



Pictured Above:
RO₂VER® Stand
(BMD Part Number 1060B)
shown with the TV-100
(BMD Part Number 5500)
and 2 E-Cylinder Tank Brackets
(BMD Part Number 1061B)

Pictured Right:
TV-100 Bed Rail Bracket
(BMD Part Number 2013BR)



TV-100 MEETS TRANSPORT REQUIREMENTS

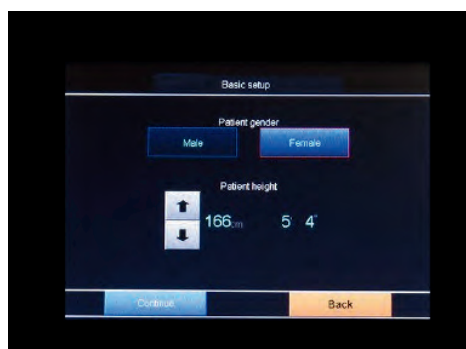
Tested to and complies with the Emergency Medical Services standard 60601-1-12. Testing includes water ingress (rated to IP44), extreme vibration, 30G forces, EMI/RFI, and drop test from a height of 75 cm to concrete onto all six sides of the ventilator.

- The TV-100 has been tested and passed important clauses of the DO-160G aviation standard.
- Your choice for transport ventilation, the TV-100 uses the latest in smart battery technology with built-in charge intelligence and safety features including protection from over-charge, deep discharge, and short circuit overload making it the frontrunner for safety in air transport.
- Automatic barometric compensation for altitude or cabin pressure changes up to 12,000 feet.

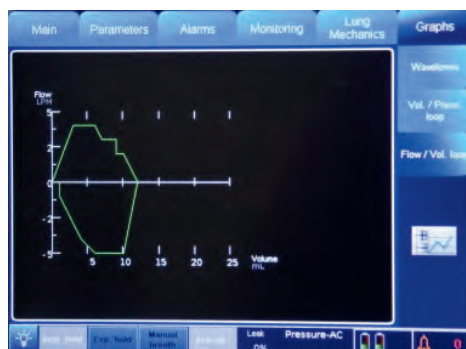
VENTILATION MODES	MONITORS/ALARMS	INCLUDED ACCESSORIES	OPTIONAL ACCESSORIES
- Volume-Assist Control - Volume-SIMV - PRVC - Pressure-Assist Control - Pressure-SIMV - NIV - HFNC - CPAP-Volume - Apnea Backup - nCPAP/HFNC	- Rate - Oxygen % (FiO₂) - PEEP - EPAP - IPAP - Apnea - VTe - MVe - Peak Pressure - Mean Pressure - Low Battery - I:E Ratio	- TV-100 Operator's Manual - Disposable Adult Circuit - Disposable Infant Circuit - Adult Test Lung - Infant Test Lung - Pediatric/Adult Flow Sensor - Infant Flow Sensor - Disposable Patient Filter - O₂ High Pressure Supply Hose - TV-100 Power Supply (with Power Cord)	- Disposable Pediatric Circuit - Disposable Dual Limb Adult Circuit - Reusable Infant Circuit - Reusable Pediatric Circuit - Reusable Adult Circuit - O₂ Filter/Water Trap - Pediatric Test Lung - TV-100 Battery - TV-100 Battery Charger - Roll Stand - Bed Rail Bracket - DC 12-30 Volts Cable - Carry Bag

PHYSICAL CHARACTERISTICS

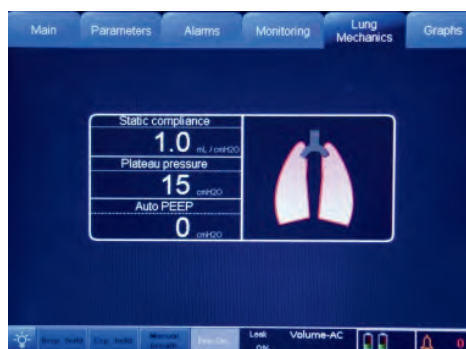
Size: 12.8" x 11.9" x 7.6" (32.5 cm x 30.2 cm x 19.3 cm)
Weight: 15.6 lbs. (7.1 kg) (Without AC Adapter)



Set-Up Assistant



Loop Graph



Lung Mechanics



Battery Compartment

SPECIFICATIONS*

Parameter	Range
Apnea Alarm	5 - 60 seconds
I:E Ratio	3:1 to 1:99
Oxygen	21 - 100%
Pressure Support	1 - 60 cmH ₂ O
Rate (Pediatric/Adult)	5 - 100 bpm
Rate (Neonatal)	5 - 150 bpm
SIMV Rate	1 - 50 bpm
Expiratory Time	0 - 100 seconds
Inspiratory Time	0.1 - 3.0 seconds
Flow Trigger	0.5 - 30 lpm
Pressure Trigger (relative to baseline)	-0.2 to -10 cmH ₂ O
Purge Flow	40 - 60 ml/min
Base Flow (Pediatric/Adult)	6 lpm
Base Flow (Neonatal)	2.5 lpm
Flow	0 - 180 lpm
PEEP/CPAP (Pediatric/Adult)	0 - 35 cmH ₂ O
PEEP (Neonatal)	0 - 25 cmH ₂ O
EPAP (Pediatric/Adult)	0 - 35 cmH ₂ O
EPAP (Neonatal)	0 - 25 cmH ₂ O
IPAP	3 - 40 cmH ₂ O
PIP (Pediatric/Adult)	0 - 99 cmH ₂ O
PIP (Neonatal)	0 - 60 cmH ₂ O
Tidal Volume (Pediatric/Adult)	75 - 2500 ml
Tidal Volume (Neonatal)	2 - 100 ml
Pop-off Relief Valve (Ped/Adult)	100 cmH ₂ O
Pop-off Relief Valve (Neonatal)	60 cmH ₂ O

*Specifications subject to change without notice

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