



TV-100 VENTILATOR

Infant - Pediatric - Adult / Transport



One Vent - All Patients - Anywhere Superior Portability, Flexibility, and Performance

Bio-Med Devices' new 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.

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%.

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Dependable & Easy to Use

The TV-100 features dual, hot swap capable, rechargeable batteries that

allow for uninterrupted use on the go. The TV-100 is capable of up to 7 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.

Pending FDA Clearance

Model 5500 Neonatal-Adult
 Model 5500N Neonatal
 Model 5500A Adult/Pediatric

TV-100

Ventilation Modes

Apnea
 Assist Control-Pressure
 Assist Control-Volume
 CPAP-Pressure Backup
 CPAP-Volume Backup
 NIV Bi-Level
 SIMV-Pressure
 SIMV-Volume

Monitors/Alarms

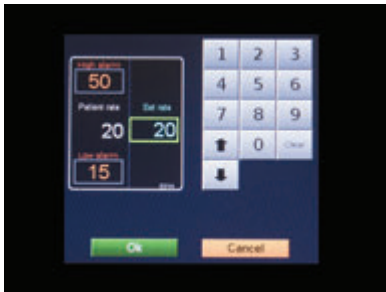
Rate
 Oxygen (O₂)
 PEEP
 EPAP
 IPAP
 Apnea
 VTe
 MVe
 Peak Pressure
 Mean Pressure
 Low Battery
 I:E Ratio

Included Accessories

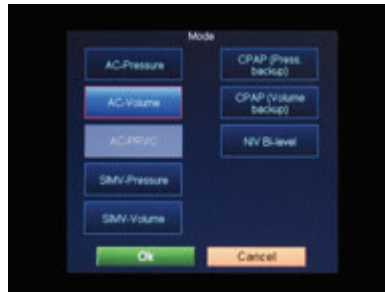
TV-100 Operator's Manual
 Pole Mounting Bracket
 Disposable Adult Circuit
 Disposable Infant Circuit
 Adult Test Lung
 Infant Test Lung
 Pediatric/Adult Flow Sensor
 Infant Flow Sensor
 Disposable Patient Filter
 O₂ High Pressure Supply Hose
 TV-100 Power Supply
 (with Power Cord)

Optional Accessories

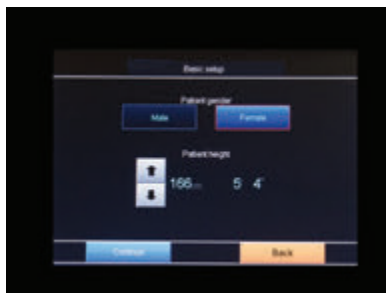
Disposable Pediatric Circuit
 Disposable Dual Limb Adult Circuit
 Reusable Infant Circuit
 Reusable Pediatric Circuit
 Reusable Adult Circuit
 O₂ Filter/Water Trap (International Only)
 O₂ High Pressure Supply Hose (Hand Tighten)
 Pediatric Test Lung
 TV-100 Battery
 TV-100 Battery Charger



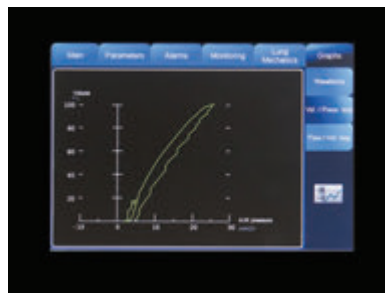
Settable Value & Alarm Pop-up



Mode Selection



Set-Up Assistant



Loop Graph

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)

Specifications

Parameter	Range
Apnea Alarm.....	10 - 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.....	0.6 - 50 bpm
Expiratory Time.....	0.2 - 99.9 seconds
Inspiratory Time.....	0.1 - 3.0 seconds
Flow Trigger.....	0.5 - 10 lpm
Pressure Trigger.....	-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 (Pediatric/Adult).....	0.1 - 180 lpm
Flow (Neonatal).....	0.1 - 15 lpm
PEEP/CPAP (Pediatric/Adult).....	0 - 35 cmH ₂ O
PEEP (Neonatal).....	0 - 25 cmH ₂ O
EPAP.....	4 - 20 cmH ₂ O
IPAP.....	4 - 40 cmH ₂ O
PIP (Pediatric/Adult).....	3 - 100 cmH ₂ O
PIP (Neonatal).....	3 - 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

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