

TV- 3100

Transport VENTILATOR



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

New industry leading TV-3100 Transport 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- 3100 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-3100 features dual, hot swap capable, rechargeable batteries that allow for uninterrupted use on the go. The TV-3100 is capable of 7 to 11 hours of continuous battery operation with fully charged batteries.

The TV-3100 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 wave form graphs and loop graphs to provide complete patient care.

Unmatched Capability: The TV-3100 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-3100 apart.

NIV Mode



A diverse mode that can be used for many non-invasive applications

- Differing inspiratory and expiratory pressures (IPAP and EPAP)
- CPAP
- 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



Constant Flow



- Use this mode to provide flow to a resuscitation bag prior to intubation
- Provide flow to a high flow cannula
- Provide flow to a low flow neonatal cannula

Meets Transport Requirements:

Tested to and complies with the new standards for Emergency. 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-3100 has been tested and passed important clauses of the DO-160G aviation standard.

Your choice for transport ventilation, the TV-3100 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.



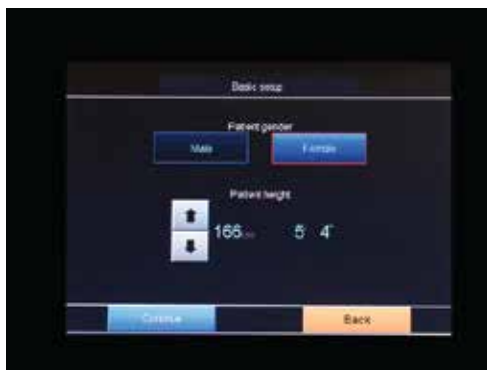
Pictured Above:
 Ventilator Roll Stand
 (BMD Part Number 1060T)
 with 2 E-Cylinder Tank Brackets



Pictured Left:
 TV-3100 Bed Rail Bracket

Constant Flow

Ventilation Modes	Monitors/Alarms	Included Accessories	Optional Accessories
Volume Assist Control	Rate	TV-3100 Operator's Manual	Disposable Pediatric Circuit
Volume-SIMV	Oxygen % (FiO ₂)	Disposable Adult Circuit	Disposable Dual Limb Adult Circuit
PRVC	PEEP	Disposable Infant Circuit	Reusable Infant Circuit
Pressure-Assist Control	EPAP	Adult Test Lung	Reusable Pediatric Circuit
Pressure-SIMV	IPAP	Infant Test Lung	Reusable Adult Circuit
NIV	Apnea	Pediatric/Adult Flow Sensor	O ₂ Filter/Water Trap
Constant Flow	VT _e	Infant Flow Sensor	Pediatric Test Lung
CPAP-Volume	MV _e	Disposable Patient Filter	TV-3100 Battery
Apnea Backup	Peak Pressure	O ₂ High Pressure Supply Hose	TV-3100 Battery Charger
	Mean Pressure	TV-3100 Power Supply	Roll Stand
	Low Battery	(with Power Cord)	Bed Rail Bracket
	I:E Ratio		DC 12-30 Volts Cable
			Carry Bag



Set-Up Assistant



Loop Graph



Lung Mechanics



Battery Compartment

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	Rang
Apnea Alarm.....	10 - 60 sec
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 sec
Inspiratory Time.....	0.1 - 3.0 sec
Flow Trigger.....	0.5 - 30 lpm
Pressure Trigger relative to baseline	-0.2 to 10cm H 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 cm H ₂ O
PEEP (Neonatal).....	0 - 25 cm H ₂ O
EPAP.....	2 - 20 cm H ₂ O
IPAP.....	3 - 40 cm H ₂ O
PIP (Pediatric/Adult).....	0 - 99 cm H ₂ O
PIP (Neonatal).....	0 - 60 cm H ₂ O
Tidal Volume (Pediatric/Adult)...	75 - 2500 ml
Tidal Volume (Neonatal).....	2 - 100 ml
Pop-off Relief Valve (Ped/Adult)	100 cm H ₂ O
Pop-off Relief Valve (Neonatal)...	60 cm H ₂ O

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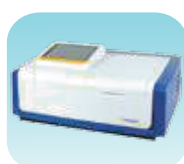
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



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Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
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PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



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Analytical
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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

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Reach us @



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