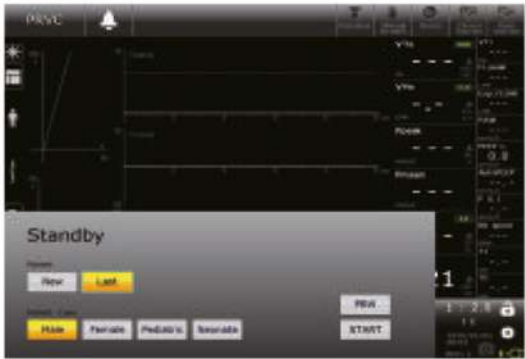


Model No. : BNV-01

Bravo plus Ventilator is an intelligent universal effective solution for neonatal to adult patients. Intuitive and simple user interface with quick operational readiness with an automatic device check provides confidence in use and reduces training time. Wide range of ventilation mode makes it suitable for various clinical requirement in intensive care units.

Ease of Use

Simple user interface and effortless operation makes meditec Vista to be intuitive and require minimum amount of training for the medical and nursing staff.



Standard Ventilation Modes

PACV, VACV, PSIMV, VSIMV, SPONT, Apnea Back-up ventilation

Advanced Ventilation Modes (Optional)

Auto Vent, PRVC, PRVC - SIMV, TCPL-AC, TCPL-SIMV, O₂ Stream, AwPRV, Bi-level, CPR, HFV

Central Monitoring System (Optional)

- Dual LCD screen : 32 bedsides patient monitoring system
- Single LCD screen : 16 bedsides monitoring display
- 10 days graphic trend for each patient monitor
- Display 12 waveforms of patient monitoring for each patient monitor
- Display 3 waveforms of a ventilator display
- Available wireless LAN or Cable wired network

Easy to Manage Ventilator

- Easy to maintain
- Efficient management system which tells about the expected replacement time of each and every assembly
- Reminder alarm for calibration and Service of the equipment

Technical Specifications

Display Data

Parameters	Setting parameters, patient status parameters, Alarm status, I:E ratio
Graphic Waveform	Pressure-Time, Flow-Time, Volume-Time
Trend	VE/min, Pmean, Ppeak, PEEP Vte, RR, CL, RA, SpO ₂ , PR, iCO ₂ , EtCO ₂
Loops	Pressure-Volume, Flow-Volume, Pressure-Flow
Measuring Data	P0.1 measurement, Exp.Flow, RSBI, CL, RA, WOBV, WOBP
System Alarm	O ₂ / Air supply pressure Fail, Obstructed tube, Circuit open, Ventilator in-operation, Low Battery
EVENT	1,000 event log.
Optional Parameters	SpO ₂ , PR / EtCO ₂ , iCO ₂

Setup Function

BTPS	OFF / Auto Humid / Auto Dry
Proximal Flow / Pressure	All OFF / PON, F.OFF / PON, F.ON
Sensor	10 – 180 min
Neb Time	5 mL/kg – 15 mL/kg
BWF	ON / OFF
Tube Compensation	ON / OFF
O ₂ Sensor Disable	10 – 100 %
Sound volume	

Alarm Settings

High tidal volume (Vte)	5 – 2500 mL / OFF
Low tidal volume (Vte)	0 – 2500 mL
High min volume (Vte, min)	0.1 – 50 LPM
Low min volume (Vte, min)	0.0 – 49.9 LPM
High respiration rate	3 – 180 BPM
Low respiration rate	2 – 179 BPM
High peak airway pressure	1 – 120 cmH ₂ O
Low peak airway pressure	0 – 119 cmH ₂ O
High O ₂ %	19 – 100% / OFF
Low O ₂ %	18 – 100%
Airway leak	50 – 500 mL / OFF
Apnea	2 – 60 sec

Lung Mechanics

PV Tool	P Limit 5 – 60 cmH ₂ O, Time
Inspiration hold	Measures patient's lung compliance and resistance, Elasticity, Time constant
Expiration hold	Measures auto-PEEP

Electrical

Power Source (AC)	100 – 240 VAC, 1 A, 50 / 60 Hz
Internal Battery	PB-Acid 12 V
Operating Time	180 min Max

Communication

RS232 (COM1)	115200 BPS for CMS
LAN	100 MHz for CMS or EMR (HL7 support)

Ventilator Data

Ideal Body weight	1 – 150 kg
Tidal Volume	2 – 2500 mL
Inspiratory pressure	0 – 99 cmH ₂ O
Pressure support	0 – 99 cmH ₂ O, above Peep Max 99 cmH ₂ O
Respiratory rate	0 – 150 BPM
Inspiratory flow rate	Up to 180 LPM
Ventilator Modes	PACV, PSIMV, VACV, VSIMV, Spont, HFV, Apnea Back-up Ventilation, O ₂ Stream, PRVC, Bi-Level, AwPRV, Auto Vent, TCPL-AC, TCPL-SIMV, PRVC-SIMV, CPR
Inspiratory time	0.1 – 9.9 sec
Pause time	0 – 2.0 sec
PEEP / CPAP	0 – 60 cmH ₂ O
Enable Ins. Trigger (En-sense)	10 – 80% of Inhaled volume
Exh. trigger Sensitivity (Ex-trig)	Off, 5–50
F-end (Flow end)	25 – 100% of peak flow
Trigger sensitivity	Pressure : 0.1 – 20 cmH ₂ O Flow : 0.1 – 20 LPM
FiO ₂ %	21 – 100%
Sigh	OFF / Delivers one sigh breath every 30, 60, 90, 120 breaths
Mask (Leak Compensation)	Sigh volume = Set tidal volume x 1.5
Rising Time (Trise) {PS}	OFF / ON (up to 25 LPM)
Rising Time, PSV {PSV}	0.1 – 2.0 sec
Flow Limit {PSV}	0.1 – 0.5 sec 10 – 60 LPM / OFF

Optionals

Ventilation Mode	SHFV, DHFV, ASV
Lung Mechanics	PV-TOOL, Paux (Esophageal & Tracheal Pressure)
Accessory	Proximal Sensor (Pressure/Flow), Nasal Cannula for O ₂ Stream
Vital Sign Functions	SpO ₂ , EtCO ₂
Cart	Mobile Cart for Vista

Environmental

Storage Temp	(-)20 – 70°C
Relative Humidity	0 – 95%, non-condensing
Operating Temp	10 – 40°C
Relative Humidity	10 – 90%, non-condensing

Physical

Overall	W499.4 x D599.1 x H1423 mm
Main Unit	W326 x D414.2 X H388 mm
Display Monitor	W400 x D48 x H276 mm
Mobile Cart (optional)	W499.4 x D599.1 x H725 mm