



## VT 2105 VENTILATOR



### TECHNICAL SPECIFICATIONS

Özellikler	Açıklama	I	Inspiratory Ratio	40% of the duty cycle
Application	Emergency / First Aid / Patient Transfer - Venturi System	Inspiratory Pressure	Automatic PSV Mode	
Patient Type	Adult / Child / Infant (excluding newborn)	Pressure Limit	0 – 50 cmH2O Range	
Ventilation Type	IPPV Volumetric - Pressure Supported IPPV - Time	Minute Volume	1-16 L/min	
Control Management	Electronic cycling	Tidal Volume	15-3000 ml	
Gas Source	Oxygen or Pressurized Medical Air	Oxygen Mixer	%50 O2 / %100 O2	
Gas Pressure	Max. (2.7 bar- 6 bar) Range	Manometer	Digital	
Flow Rate	50 L / min (max.)	Trigger Sensitivity	1-5 cmH2O Range	
Ventilation Modes	AUT-AST, PSV, Apnea Backup, CPAP and PEEP	User Interface	Digital Manometer, LED Battery Level and External Power Source Interruption Indicator, LED/Audible Alarms, Control and Adjustment Buttons	
Measurement Parameters	Instant Airway Pressure	Warnings	Battery Level, Low and High Airway Pressure, Apnea, Gas Source, Power Interruption	
Breathing Rate	5-70 bpm	Power Supply	12VDC or 12VDC Adapter with 100-240VAC 50 Hz	
I:E Ratio	1:1.5			
Current Consumption	20 mA (Idle) / 300 mA (Under Load)			
Battery Support	4.5 Hours Continuous Operation			
Charging Time	10 Hours Charging Time when Fully Empty			
Device Safety	Adjustable Air Pressure Mechanical Limit: 0-50 cmH2O			
Dimensions and Weight	Width: 186 mm Height: 132 mm Depth:125 mm			
Operating Temperature	-18 °C to 60 °C			
Storage Temperature	-40 °C to 70 °C			
Operating Humidity	10% to 90% Relative Humidity (Non-condensing)			
Atmospheric Pressure Range	70 kPa to 110 kPa			
Product Life	5 Years			
Alarm Level	60 db(A)			
Standard Accessories	220 V AC (50 Hz) – 12 V DC Adapter and Connection Cable, 12 V DC Vehicle Charging Connection Cable, Disposable Adult and Child Mask, Bacteria Filter, Test Balloon, Disposable PVC Patient Circuit and Expiratory Side, Oxygen Hose Carrying Strap, Ambulance Connection Kit, User Manual			
Optional Accessories	Protection Kit and Bag, Oxygen Cylinder (Aluminum/Steel), Double Manometer O2 Regulator, Reusable Patient Circuit, Capnograph			

### ADVANTAGES

- Application Area: A respiratory ventilator intended for use in emergency, first aid and patient transfer.
- Patient Type: Suitable for use in adults, children and infants (excluding newborn).
- Ventilation Modes: Has AUT-AST (Automatic Assistant), PSV (Pressure Support), Apnea Backup and CPAP/PEEP modes.
- Provides the ability to adjust the maximum pressure to be applied in the 0-50 cmH2O range (Pressure Limit).
- Breathing Rate (RATE): Respiratory rate can be adjusted between 5 and 70 bpm.
- Minute Volume: Determines the oxygen liters per minute delivered to the patient between 1 and 16 L/min (Minute Volume).
- Tidal Volume Calculation: Calculated as Minute Volume / (Breaths per Minute) x Tidal Volume. (Example: Infant: 12 ml/kg, Adult: 8 ml/kg).
- Oxygen Mixer (MIXER): Can be set to 50% or 100%.
- Battery Life: With fully charged internal battery, it can operate continuously for at least 4.5 hours.
- External Power: Can receive power via 12VDC or 100 - 240VAC 50Hz adapter.
- Operating Temperature: Can operate between -18 and 60.
- Gas Pressure Requirement: For correct operation, pressure must be applied between 2.7 and 6 bar (Oxygen or Pressurized Medical Air).
- Apnea Protection: In PSV mode, if the patient does not breathe for 20 seconds, it automatically switches to AUT-AST mode.
- Alarms: There is audible and LED warning system for Low/High Airway Pressure, Apnea, Gas Supply, Battery Weak and Power Failure.
- Dimensions: Width 186mm, Height 132 mm, Depth 125mm.