



INSPIRE-100

An Emergency Respiration Assist Device

The Little Genie



Our Advantages

- ✓ Unparalleled Affordability
- ✓ Unparalleled Remote Monitoring
- ✓ Unparalleled Ease-of-use
- ✓ No need for Piped Air or Oxygen
- ✓ Complete Set of mainstream Respiration Parameters
- ✓ Field Upgradeable

Technical Specs

Mode	Description
CMV	Continuous Mandatory
ACV	Synchronized Assist Control
SIMV	Synchronized Intermittent Mandatory
PSV	Pressure Supported

Volume Control Parameter	Range
Tidal Volume (ml)	200 - 600
Respiration Rate (bpm)	10 - 30
I:E Ratio	1:1 - 1:3
PEEP (cmH2O)	4 - 15
FiO2 (System Managed)	External

Pressure Support Parameter	Range
Support Pressure (cmH2O)	5 - 35
Flow Trigger Termination (%)	10 - 60
Time Trigger Termination (secs)	1.0 - 3.0

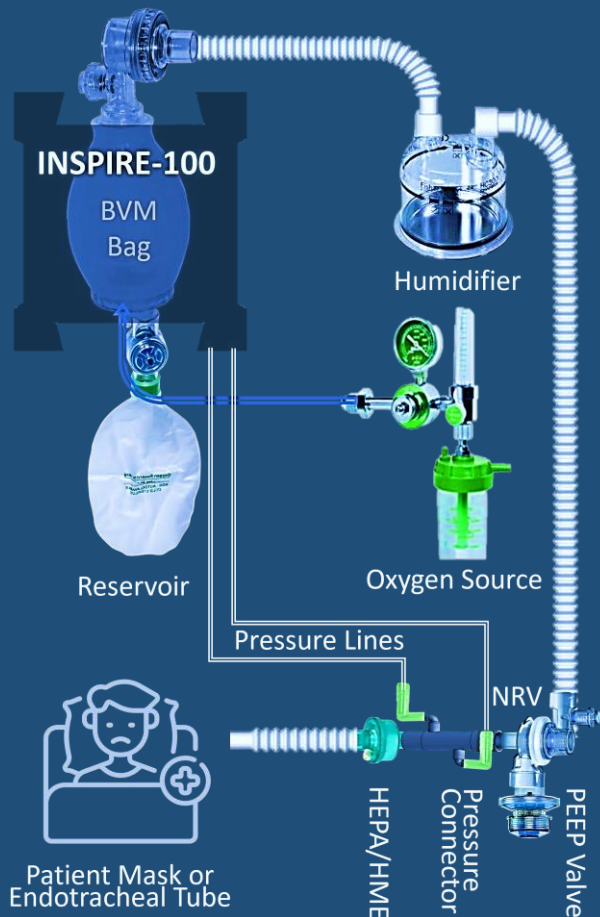
Full Set of ALARMS	
Max Pressure	Pressure Leak
Pressure Loss	Airway Blockage
Cough / Hiccups	System Temperature
Inconsistent Parameters	Extreme Parameters
Replace BVM	BVM Size
and many more ...	

Breath Synchronization for Patient Comfort

Power Consumption 100W

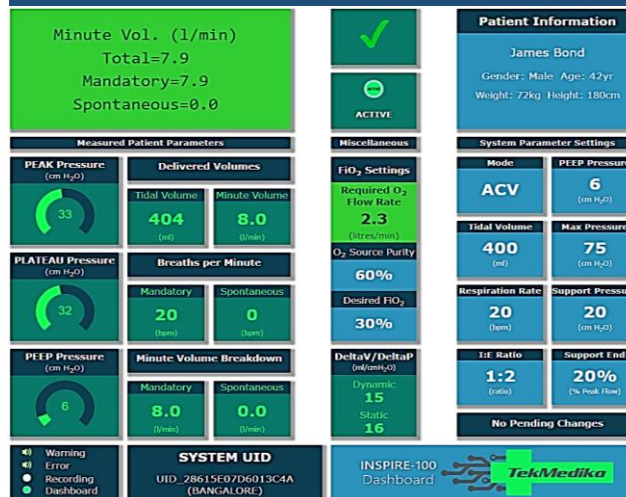
Breathing Circuit

Simple, Off-the shelf, Single-limbed and compatible with Standard Accessories

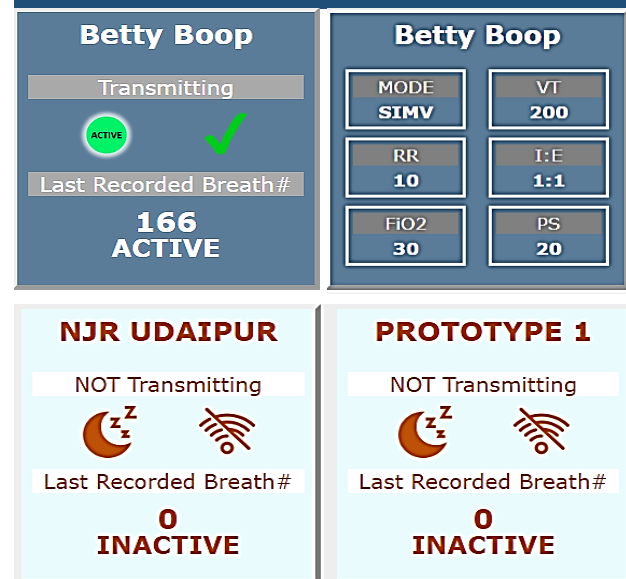


Remote Monitoring

Dashboard with Recording facility

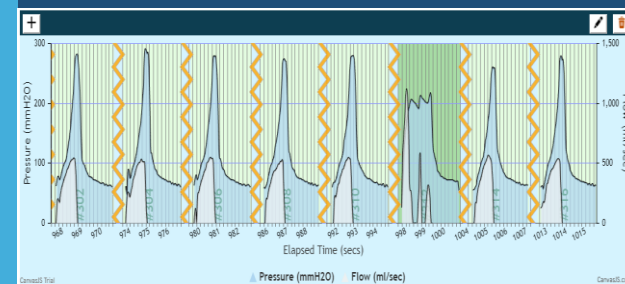


Nurses' Station - Multiple Systems



Remote Monitoring

Detailed Breath Waveforms



Detailed Statistics over Breath Range

Parameters Measured					Static Information	
Parameter	Units	Min	Max	Avg	Patient Name: Rajkumar Bond	
Peak Pressure	cmH2O	27.0	30.0	28.6	Gender: Male Age: 69yr	
Plateau Pressure	cmH2O	17.0	29.0	27.1	Weight: 74kg Height: 181cm	
PEEP Pressure	cmH2O	5.0	5.0	5.0	System Location: Nanna Bengaluru	
Tidal Volume Delivered	ml	384.0	412.0	399.8	Location Altitude: 3000 ft (915 mtrs)	
Total Minute Volume	litres/min	8.0	8.1	8.0	Location Atmospheric Oxygen: 19%	
Mandatory Minute Volume	litres/min	---	---	---		
Spontaneous Minute Volume	litres/min	---	---	---		
Mandatory BPM	bpm	20.0	20.0	20.0		
Spontaneous BPM	bpm	---	---	---		
FI02	%	21.0	21.0	21.0		
Static DeltaV/DeltaP	ml/cmH2O	17.0	32.0	18.3		
Dynamic DeltaV/DeltaP	ml/cmH2O	16.0	18.0	17.0		
System Temperature	degC	27.0	27.0	27.0		

Parameter Settings Used		
Parameter	Units	Values
Ventilation Mode	mode	ACV
Tidal Volume	ml	400
Minute Volume	l/min	10
Respiration Rate	bpm	20
I:E Ratio	ratio	1:2
PEEP Pressure	cmH2O	5
Maximum Pressure	cmH2O	50
Support Pressure	cmH2O	20
Support Pressure Termination	%Flow,secs	20%
FI02	%	21

Sequence of Parameter Combinations									
MODE	VT/ML	RR	I:E	PEEP	PMAX	PS	TPS	FI02	# of BREATHS Before BREATH#
0	3	3	2	3	3	3	3	3	1
0	ACV	400	20	1:2	5	50	20	20%	7
0	ACV	400	20	1:2	5	50	20	20%	21



24/7 Monitoring wherever you are