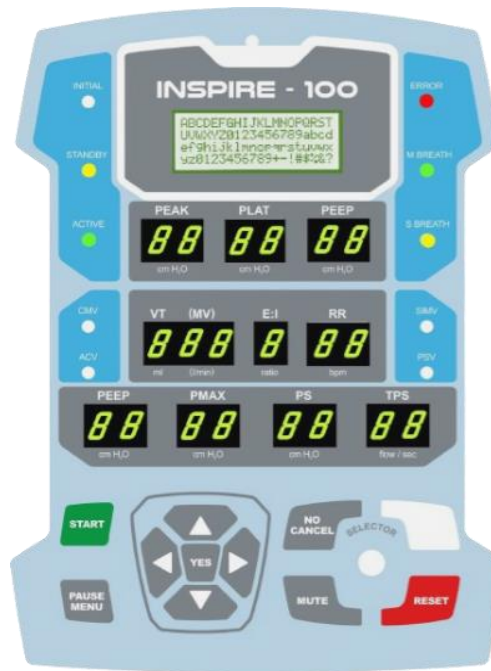




INSPIRE-100

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 (BiPAP equivalent)

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

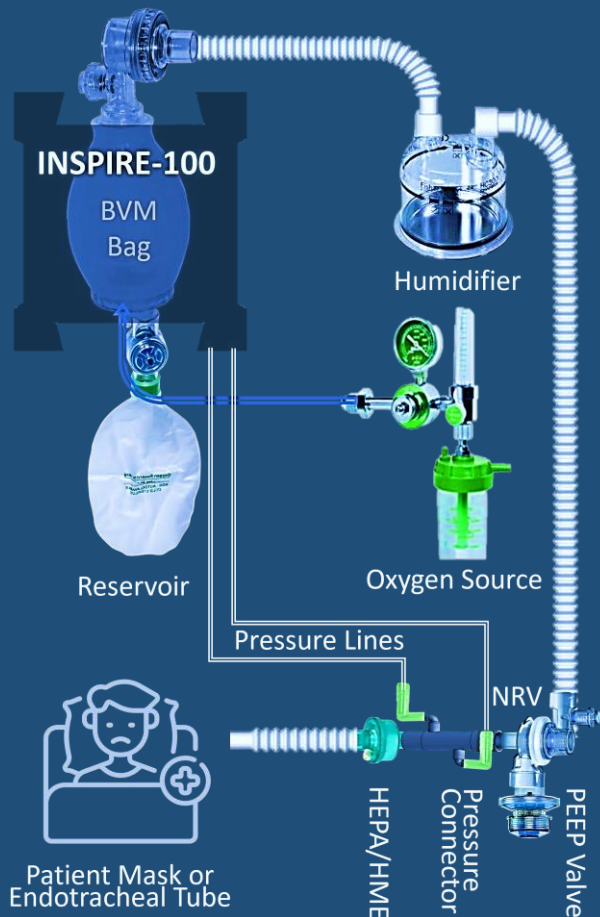
Full Set of ALARMS	
Max Pressure	Pressure Leak
Pressure Loss	Airway Blockage
Cough / Hiccups	System Temperature
Inconsistent Parameters	Extreme Parameters
Replace BVM	BVM Size
and many more ...	

Breath Synchronization for Patient Comfort

Power Consumption 100W

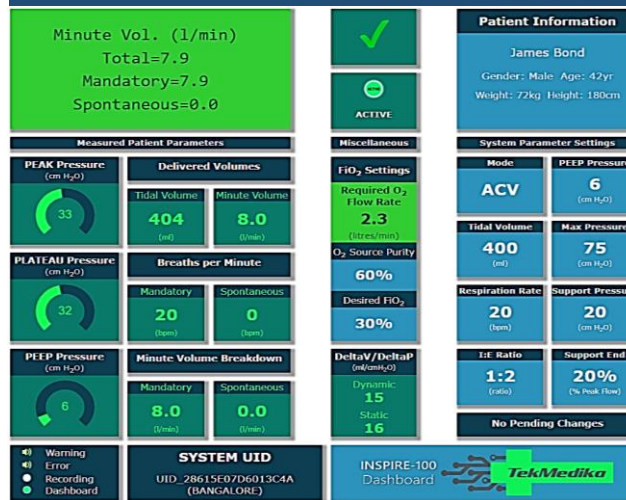
Breathing Circuit

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

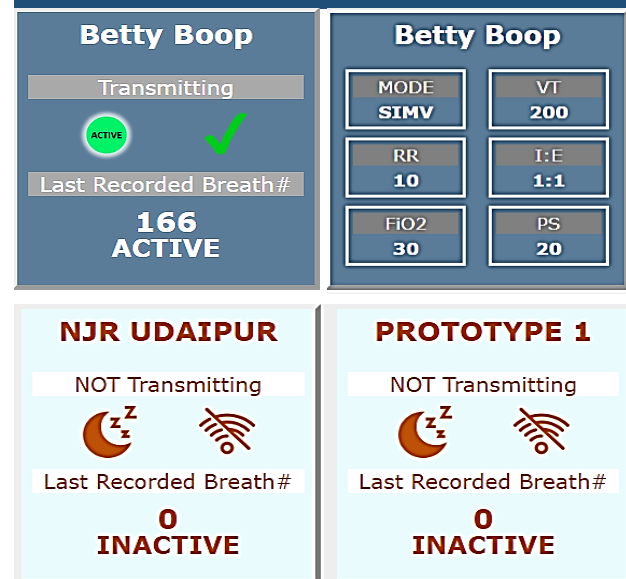


Remote Monitoring

Dashboard with Recording facility

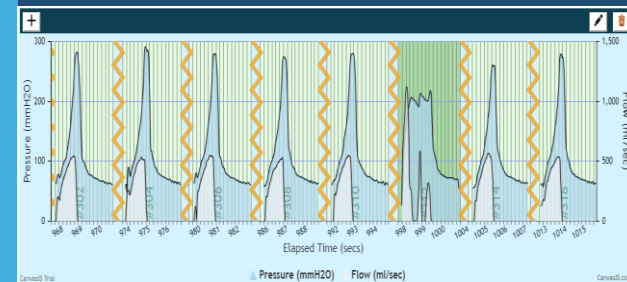


Nurses' Station - Multiple Systems



Remote Monitoring

Detailed Breath Waveforms



Detailed Statistics over Breath Range

Parameters Measured				Static Information	
Parameter	Units	Min	Max	Avg	
Peak Pressure	cmH ₂ O	27.0	30.0	28.6	Patient Name: Rajkumar Bond
Plateau Pressure	cmH ₂ O	17.0	29.0	27.1	Gender: Male Age: 69yr
PEEP Pressure	cmH ₂ O	5.0	5.0	5.0	Weight: 74kg Height: 181cm
Tidal Volume Delivered	ml	384.0	412.0	399.8	System Location: Nanna Bengaluru
Total Minute Volume	litres/min	8.0	8.1	8.0	Location Altitude: 3000 ft (915 mtrs)
Mandatory Minute Volume	litres/min	8.0	8.1	8.0	Location Atmospheric Oxygen: 19%
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/cmH ₂ O	17.0	32.0	18.3	
Dynamic DeltaV/DeltaP	ml/cmH ₂ O	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	litres/min	10
Respiration Rate	bpm	20
I:E Ratio	ratio	1:2
PEEP Pressure	cmH ₂ O	5
Maximum Pressure	cmH ₂ O	50
Support Pressure	cmH ₂ O	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
0	3	3	3	3	3	3	3	3	1
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0	3	3	3	3	3	3	3	3	4
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