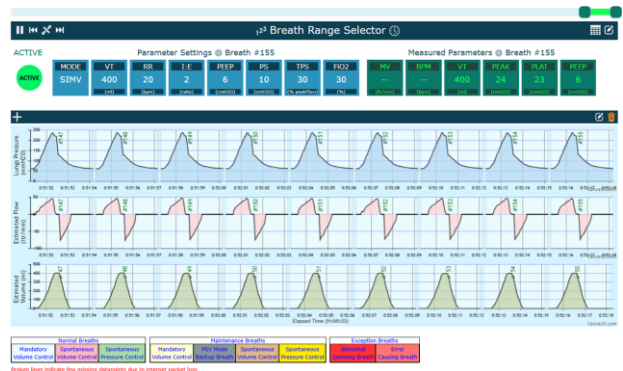


Remote Monitoring



Parameters Measured			Static Information		
Parameter	Units		Parameter	Units	
Peak Pressure	cmH2O		Number of Breaths		
Plateau Pressure	cmH2O		Number of Mandatory Breaths		
PEEP Pressure	cmH2O		Number of Spontaneous Breaths		
Tidal Volume Delivered	ml		Number of Maintenance Breaths		
Total Minute Volume	l		Number of CMV-mode Spontaneous Breaths		
Mandatory Minute Volume	l		Number of Missing Intervals (Packet)		
Spontaneous Minute Volume	l		Number of Wi-Fi or Server Disconnects		
Mandatory BPM	bpm		Number of Notifications		
Spontaneous BPM	bpm		Number of Warnings		
FiO2	%		Number of Errors		
Static DeltaV/DeltaP	ml/cmH2O				
Dynamic DeltaV/DeltaP	ml/cmH2O				
System Temperature	°C				

Min	Max	Avg
27.0	30.0	28.6
17.0	29.0	27.1
5.0	5.0	5.0
384.0	412.0	399.8
8.0	8.1	8.0

Patient 007

Transmitting

ACTIVE

Last Recorded Breath #

11370
ACTIVE

BANGALORE

MODE

SIMV

VT

300

RR

10

I:E

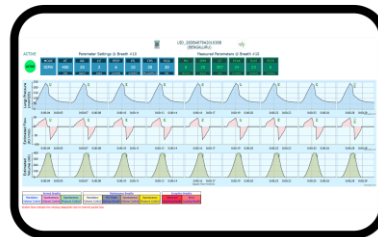
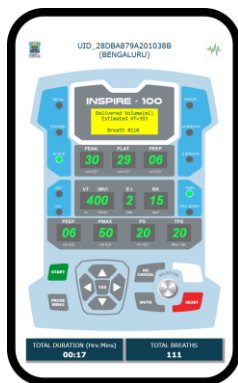
1:1

FiO2

30

PS

20



Remote Monitoring

- ✓ Desktop, Laptop, Mobile
- ✓ Live Dashboard
- ✓ Detailed Breath Waveforms
- ✓ Charts for all Parameters
- ✓ Detailed Statistics
- ✓ System Alerts and Alarms
- ✓ Recording and Playback
- ✓ Multi-system Display



INSPIRE - 100

An Emergency Ventilator

TekMedika Pvt. Ltd.

(12) United States Patent
Nanda et al.

(10) Patent No.: US 12,465,716 B2
(45) Date of Patent: Nov. 11, 2025



Distinctive Features

- ✓ Unmatched Affordability
- ✓ Unmatched Remote Monitoring
- ✓ Unmatched Ease-of-use
- ✓ No need for Piped Air
- ✓ Works with Oxygen Cylinder or Concentrator
- ✓ 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 - 25
Flow Trigger Termination (%)	10 - 60

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

