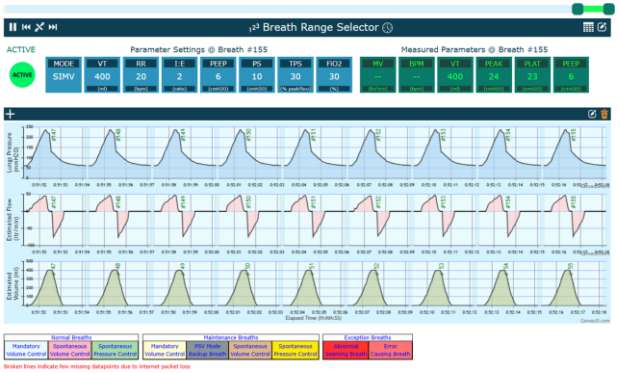
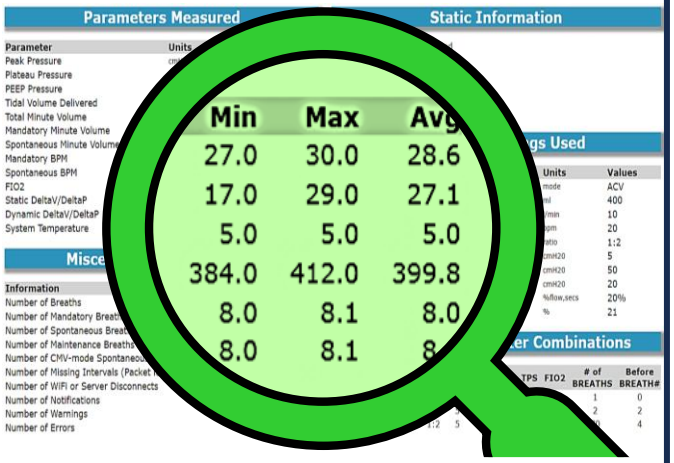
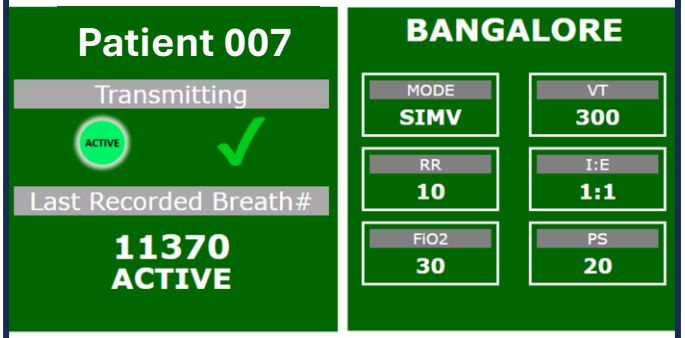
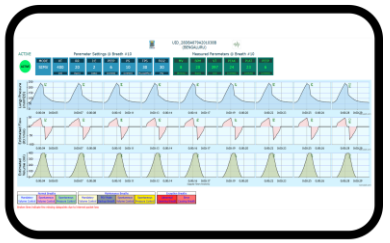
Remote Monitoring



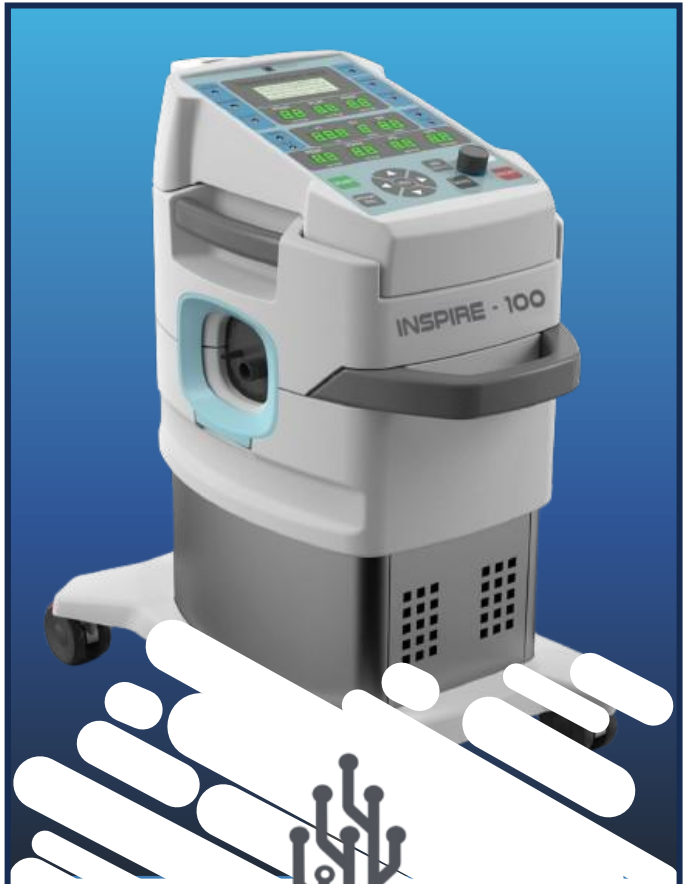






Remote Monitoring

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



TekMedika

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

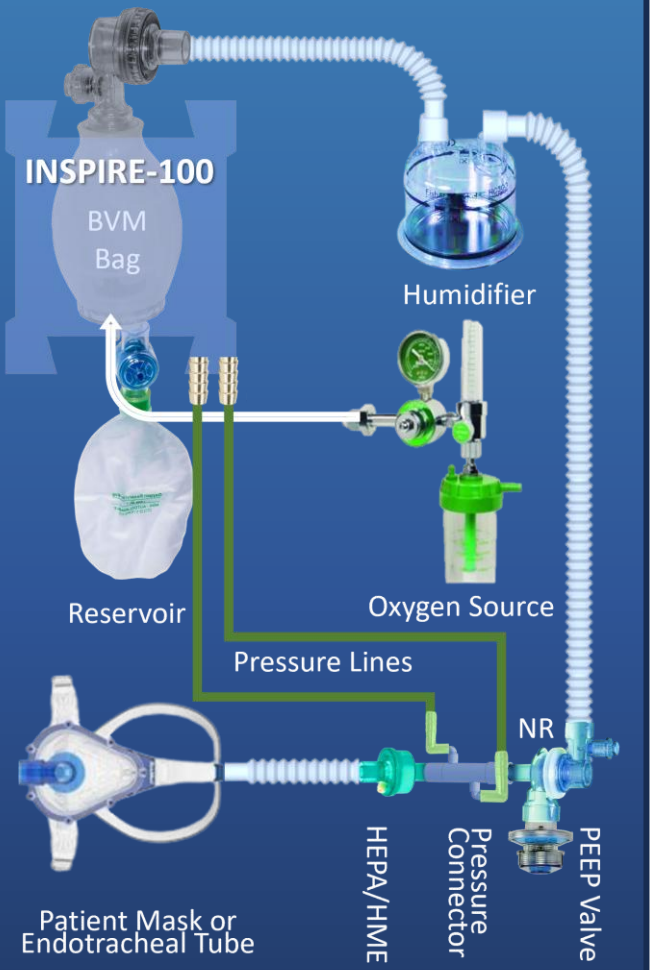
Mode	Description
CMV	Continuous Mandatory
ACV	Synchronized Assist Control
SIMV	Synchronized Intermittent Mandatory
PSV	Pressure Supported (BiPAP equivalent)

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