

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 |

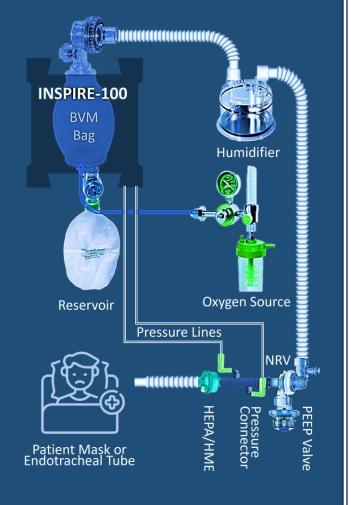
| Full Set of ALARMS | | | | | | |
|--------------------------------|--------------------|--|--|--|--|--|
| Max Pressure | Pressure Leak | | | | | |
| Pressure Loss | Airway Blockage | | | | | |
| Cough / Hiccups | System Temperature | | | | | |
| Inconsistent Parameters | Extreme Parameters | | | | | |
| 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 Minute Vol. (1/min) Patient Information

Minute Vol. (1/min)
Total=7.9
Mandatory=7.9
Spontaneous=0.0

Measured Patient Parameters

EAK Pressure
(m it-0)
Tidal Volume

Tidal Volume

Minute Volume

Hiscollaneous
FiO, Settings
Required O₂
How Rate
2,3
(tres/mm)
O₂ Source Purity

2.3
(litres/min)
O₂ Source Purity
60%
Desired FiO₂
30%

DeltaV/DeltaP
(m/cmis_0)
Dynamic
15

NSPIRE-100 TekMedika

Nurses' Station - Multiple Systems

Transmitting

Active

Last Recorded Breath#

166
ACTIVE



NJR UDAIPUR

NOT Transmitting





Last Recorded Breath#

0 INACTIVE

PROTOTYPE 1

NOT Transmitting

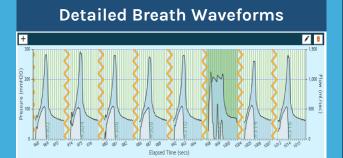




Last Recorded Breath#

0 INACTIVE

Remote Monitoring



Detailed Statistics over Breath Range

Pressure (mmH20) Flow (ml/sec)

| Parameter Peak Pressure | Units cmH20 | Min 27.0 | Max 30.0 | Avg 28.6 | Patient Name: Rajnikanth Bond Gender: Mole Age: 69yr Weight: 74kg Height: 181cm System Location: Namma Bengaluru | | | |
|-----------------------------------|----------------|-------------|-------------|-------------|---|--|--|----------------------------------|
| Plateau Pressure | cmH20 | 17.0 | 29.0 | 27.1 | | | | System Location: Namma Bengaluru |
| PEEP Pressure | cmH20 | 5.0 | 5.0 | 5.0 | | | | |
| Idal Volume Delivered | ml | 384.0 | 412.0 | 399.8 | Location Altitude: 3000 ft (915 mtrs) Location Atmospheric Oxygen: 19% | | | |
| Total Minute Volume | litres/min | 8.0 | 8.1 | 8.0 | | | | |
| Mandatory Minute Volume | Itres/min | 8.0 | 8.1 | 8.0 | | 100 | | |
| Spontaneous Minute Volume | litres/min | | | | Parameter Settings Us | | | |
| Mandatory BPM | bpm | 20.0 | 20.0 | 20.0 | | ALTERNATION OF THE PARTY OF THE | | |
| Spontaneous BPM | bpm | **** | **** | **** | Parameter | Units | | |
| F102 | % | 21.0 | 21.0 | 21.0 | Ventilation Mode | mode | | |
| Static DeltaV/DeltaP | ml/cmH20 | 17.0 | 32.0 | 18.3 | Tidal Volume | mi | | |
| Dynamic DeltaV/DeltaP | ml/cmH20 | 16.0 | 18.0 | 17.0 | Minute Volume | Vmin | | |
| System Temperature | degC | 27.0 | 27.0 | 27.0 | Respiration Rate | bpm | | |
| | | | | | I:E Ratio | ratio | | |
| Miscellaneous Information | | | | | PEEP Pressure | cmH20 | | |
| Historiano | ous zinon | Hucioi | • | _ | Maximum Pressure | cmH20 | | |
| Information Value | | | | | Support Pressure | cmH20 | | |
| Number of Breaths 73 | | | | | Support Pressure Termination | %flow,se | | |
| Number of Mandatory Breaths 73 | | | | | FIO2 | % | | |
| Number of Spontaneous Breaths | | | | 0 | | | | |
| Number of Maintenance Breaths | | | | 0 | Sequence of Param | eter Comb | | |
| Number of CMV-mode Spontaneon | us Breaths | | | 0 | | | | |
| Number of Missing Intervals (Pack | | | | 0 | | | | |
| Number of WiFi or Server Disconn | | | | 0 | MODE VT/MV RR I:E PEEP PMAX | PS TPS FI02 | | |
| St Delver Discoult | | | | | | | | |

Number of Notifications Number of Warnings Number of Errors

