



# Inspiration<sup>®</sup> 7i Ventilator 12.1" Screen

## Features

- Low cost of ownership
- High performance PSOL and active exhalation
- Comprehensive graphics and trending with event markers
- Infant through adult
- Invasive and noninvasive
- Feedback-controlled NCPAP and NCPAP+
- Intra-hospital patient transport
- Intranet and Internet remote viewing
- Outstanding Heliox Management
- 5ml Tidal Volume
- Capnography ready



Optional Internal Compressor

## Inspiration® 7i Ventilator

## Modes of Ventilation

- Assisted Control Mandatory Ventilation (CMV)
- Synchronized Intermittent Mandatory Ventilation (SIMV)
- Spontaneous Ventilation (CPAP + PS, CPAP + VS, SPAP)

## Breath Types

- Volume-controlled (V-CMV; V-SIMV)
- Pressure-controlled (P-CMV; P-SIMV, PS)
- Volume Targeted Pressure-controlled (PRVC-CMV; PRVC-SIMV, VS)
- Dual Level PEEP (SPAP)

## Breath Triggering

- Pressure triggering 0.5 - 20 cmH<sub>2</sub>O
- Flow triggering 0.1 - 25 lpm

## Additional Settings

- Respiratory rate 0 - 150 bpm
- Tidal volume 5 - 2000 ml\*
- PEEP / CPAP 0 - 50 cmH<sub>2</sub>O
- Pcontrol 2 - 90 cmH<sub>2</sub>O\*
- Psupport 0 - 90 cmH<sub>2</sub>O
- Peak flow (mandatory) 1 - 120 lpm\*
- Peak flow (spontaneous) Up to 180 lpm\*
- I-Times 0.1 - 10 sec
- Oxygen concentration 21 - 100%
- Rise time settings 1 - 20
- Exhalation sensitivity % 10 - 80% (spontaneous peak flow)
- Base Flow (with leak comp off) 2.5 - 25 lpm
- Plateau (insp pause) 0 - 42 sec (0 - 70%)
- PS Tmax 0.15 - 5.0 sec\*

## Additional Features

- Work of Breathing, Imposed
- Reference Loop Save Feature
- Maneuvers: PO.1 and PiMax
- Auto Control
- Apnea Backup Ventilation
- SPAP Philosophy Options: Time, Cycle + Time, Cycle + I:E
- IBW Calculator
- NIV On/Off in all Modes
- Active Exhalation Valve
- Automatic Leak Compensation (up to 60 lpm)
- User defined flow sensor position
  - Proximally at the circuit Wye
  - Distally at the Expiratory Port

## Advanced Software Features (Optional)

- Volumetric Capnography (VCO<sub>2</sub>)
- Time Based Capnography (ETCO<sub>2</sub>)
- Tube Compensation
- Spontaneous Breathing Trial (SBT Mode)
- Suction Support
- Recruitment Maneuver Tools
  - Pressure Slow Inflation / Deflation Maneuver
  - Volume Slow Inflation / Deflation Maneuver
  - Step Tool

## User Initiated Functions

- Manual inspiration
- Alarm silence
- 100% Oxygen\* (+20% Oxygen (Infant))
- Inspiratory and expiratory breath holds
- Standby

## User Configurable Graphic User Interface (GUI) and Functions

- Multiple Easy View Tabs (Home, Settings, Alarms, Maneuver and Config)
- Manual & Automatic Time Based Event Markers
- Graphics Display (Waveforms, Loops, Data, Trends, Trends Tabs and Event Markers)
- Apnea Back-up
- Smart Nebulizer™\*
- Smart Sigh™
- Humidification Selection (HME, Humidifier, and None)
- Heliox 0 - 80%\*
- EtCO<sub>2</sub> Graphics Display 2 loops, 3 waveforms
- PaCO<sub>2</sub> Time Stamp Entry
- User Defined Custom Default Settings

## Monitored / Displayed Data

- Delivered oxygen concentrations: 21 - 100%
  - Trend Data (1-72 hrs.) (46 trend parameters)
  - Monitoring Data (53 monitored parameters):
- | Basic              | Mechanics          | Weaning        | ETCO <sub>2</sub>        |
|--------------------|--------------------|----------------|--------------------------|
| - Respiratory Rate | - Cdyn             | - Ve Spont     | - PetCO <sub>2</sub>     |
| - Vti + Vte        | - Cdyn / kg        | - Rate Spont   | - VCO <sub>2</sub> / min |
| - PEEP             | - Cstat            | - RSBI         | - VtiCO <sub>2</sub>     |
| - O <sub>2</sub>   | - Cstat / kg       | - Ti / Ttot    | - VteCO <sub>2</sub>     |
| - Ve               | - C20/C            | - RCe          | - FetCO <sub>2</sub>     |
| - Ppeak            | - Ptrach + Pmin    | - Spont % 1h   | - Vd ana                 |
| - Pplateau         | - Auto PEEP        | - Spont % 8h   | - Vd alv                 |
| - Pmean            | - HeO <sub>2</sub> | - WOBimp       | - Vd/Vt                  |
| - I : E            | - Vti / kg         | - PO.1         | - Valv                   |
| - PF + PFe         | - Vte / kg         | - PiMax        | - Valv/min               |
| - Ti + Te          | - Ve / kg          | - PO.1 / PiMax | - PeCO <sub>2</sub>      |
| - Leak             | - Rinsp + Rexp     |                | - FeCO <sub>2</sub>      |

- | Real Time Graphics     | EtCO <sub>2</sub> Real Time Graphics |
|------------------------|--------------------------------------|
| - Flow Volume loop     | - PCO <sub>2</sub> Volume loop       |
| - Pressure Volume loop | - FCO <sub>2</sub> Volume loop       |
| - Pressure Flow loop   | - PCO <sub>2</sub> + time            |
| - Volume + time        | - FCO <sub>2</sub> + time            |
| - Flow + time          | - VteCO <sub>2</sub> + time          |
| - Pressure + time      |                                      |

## Prioritized Alarms (High, Medium and Low)

- Auto set alarm feature & 1000 Event log

## Communication Interfaces

- Ethernet and Nurse call, RS232
- Integrated CliniNet® Server with SNMP
- CliniNet® Virtual Report™ (Optional Remote Viewing System Software)

## Physical Data

- AC power: 100 - 240 VAC (50/60Hz)
- Internal and Optional External Battery
- Screen: LCD 12.1" / Tilttable and Rotatable Touch Screen
- Internal compressor (Optional)
- Integrated Cart
- Battery backup on compressor < 120 min, off compressor > 120min
- Gas supply: 2 - 6 Bar
- Paramagnetic O<sub>2</sub> Sensor (Optional)

## Ordering Information

- Model F7300000-7i-S : Inspiration 7i Ventilator – 12.1" Screen
- Model F7300000-7i-S-NC : Inspiration 7i Ventilator – 12.1" Screen without internal compressor

\* Patient Type Dependent  
Specifications subject to change.