



Inspiration[®] 7i Ventilator Flagship Configuration



Features

- Low cost of ownership
- High performance PSOL and active exhalation
- Comprehensive graphics and trending with event markers
- Neonate through adult
- Invasive and noninvasive
- Feedback-controlled NCPAP and NCPAP+
- Intra-hospital patient transport
- Intranet and Internet remote viewing
- Outstanding Heliox Management
- 2ml Tidal Volume
- Capnography ready
- High flow oxygen



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 cmH₂O
- Flow triggering 0.1 - 25 lpm

Additional Settings

- Respiratory rate 0 - 150 bpm
- Tidal volume 2 - 2000 ml*
- PEEP / CPAP 0 - 50 cmH₂O
- Pcontrol 1 - 90 cmH₂O*
- Psupport 0 - 90 cmH₂O
- 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 (Included)

- Volumetric Capnography (VCO₂) / Time Based Capnography (ETCO₂)
- Tube Compensation
- Spontaneous Breathing Trial (SBT Mode)
- Suction Support
- Recruitment Maneuver Tools
 - Pressure Slow Inflation / Deflation Maneuver
 - Volume Slow Inflation / Deflation Maneuver
 - Step Tool
- High flow oxygen

User Initiated Functions

- Manual inspiration
- Alarm silence
- 100% Oxygen* (+20% Oxygen (Neonate))
- 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 3 (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%*
- EtCO₂ Graphics Display
- PaCO₂ 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 ₂ |
|--------------------|------------------------|----------------|--------------------------|
| - Respiratory Rate | - Cdyn | - Ve Spont | - PetCO ₂ |
| - Vti + Vte | - Cdyn / kg | - Rate Spont | - VCO ₂ / min |
| - PEEP | - Cstat | - Rce | - VtiCO ₂ |
| - O ₂ | - Cstat / kg | - Ti / Ttot | - VteCO ₂ |
| - Ve | - C20 / C | - RSBI | - FetCO ₂ |
| - Ppeak | - Ptrach | - WOBimp | - Vd ana |
| - Pplateau | - Pmin | - PiMax | - Vd alv |
| - Pmean | - Auto PEEP | - P0.1 | - Vd/Vt |
| - I : E | - HeO ₂ + E | - P0.1 / PiMax | - Valv |
| - PF + PFe | - Vti / kg + Vte / kg | - Spont % 1h | - Valv/min |
| - Ti + Te | - Ve / kg | - Spont % 8h | - PeCO ₂ |
| - Leak | - Rinsp + Rexp | - VC | - FeCO ₂ |

- | Real Time Graphics | EtCO ₂ Real Time Graphics |
|------------------------|--------------------------------------|
| - Flow Volume loop | - PCO ₂ Volume loop |
| - Pressure Volume loop | - FCO ₂ Volume loop |
| - Pressure Flow loop | - PCO ₂ + time |
| - Volume + time | - FCO ₂ + time |
| - Flow + time | - VteCO ₂ + 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 17" / 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 O₂ Sensor (Optional)

Ordering Information

- Model F7300000-7i-F : Inspiration 7i Ventilator – 17" Screen Flagship Model
- Model F7300000-7i-F-NC : Inspiration 7i Ventilator – 17" Screen Flagship Model without internal compressor

* Patient Type Dependent

Specifications subject to change.