

## ATLAS N7

### Configurations

Work Surface	Height ( With casters )	149cm(58.6inch)
	Width	90cm(35.4inch)
	Depth	65.6cm(25.8inch)
	Safe shelf loading	25 kg±0.5kg
Screen	15.6/17/19 inch TFT LED screen, 1366*768 pixels	
Gas supply	O <sub>2</sub> , N <sub>2</sub> O, AIR	
Position for vaporizer	Dual positions(Selectatec)	
ACGO	Standard	
Flowmeter	Electronic flow meter, O <sub>2</sub> ,Air and N <sub>2</sub> O(numerical/bargraph)	
By-pass	Standard	
Ventilator Software	V-CMV, P-CMV, Standby, Manual/Spont, PSV, V-SIMV, P-SIMV Options are available	
Spirometry loop	P-V,P-F,F-V,reference Loop. Options are available	
Waveforms	Up to 4 waveforms, user configurable	
Li-ion Battery	1 battery, 4800mAh Optional(2 batteries, 9600mAh)	
Castors	Four castors(dual wheels 125mm), braked	
Drawers	3	
Built-in heater	Standard	
Auxiliary power outlets	4	
Reading lamp	LED lighting Included	
O <sub>2</sub> cell	Standard	
AGSS	Optional	
Gas monitor module	Optional(CO <sub>2</sub> , AG)	
Vaporizer	Optional	
Spare cylinder yoke	Optional(O <sub>2</sub> , N <sub>2</sub> O )	
Patient monitor	Optional(Integrated monitor: ECG,SPO <sub>2</sub> ,NIBP,Temp,Resp,2-IBP)	

For more information, please contact Northern sales representatives.

### Northern Meditec Limited

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## Atlas N7 Anesthesia Machine



*Committed to Excellence*



**Northern Meditec Limited**

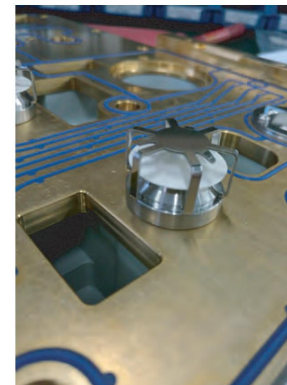


## Durable breathing system

Metallic breathing circuit, upward or downward bellows design.  
Easy to disassemble for clean and sterilization demand.  
By-pass Tech for soda lime canister.  
Position detection of breathing system installation.  
Support the demand of autoclaving at 134°C.

## Excellent CO<sub>2</sub> absorber

Soda lime canister can be easily operated by one hand.  
Easy to exchange soda lime during the operation.  
Position detection of canister installation.  
PPSU can support the demand of autoclaving at 134°C.



## Superior ventilator

10~1500ml tidal volume range, suitable for neonates, pediatrics and adults.  
Fresh gas, compliance and leakage compensation.  
VCV, PCV, PSV, SIMV, ACGO, Manual ventilation modes.  
Alarms of incorrect installation of breathing system and soda lime canister.

## Features:

- 15.6" TFT touch screen, integrated patient monitor design.
- User friendly design interface, easy to operate.
- Human engineering design, rotatable supporting arm and adjustable angle.
- Full-electronic control and electronic flow meter, precise control and accurate data monitoring.
- All ventilation modes to satisfy neonate, pediatric and adult patients.
- Integrated breathing circuit with built-in heater.

## Large workbench

Can be easily disassembled for clean and sterilization.  
Stainless steel material can stand any chemical sterilization agent.  
LED lights equipped to provide lighting for the workbench.





# Atlas N7 Anesthesia Machine



## Advanced technology and design



ACGO



Emergency  
Fresh Gas



Attachment  
Bracket



Auxiliary  
Outlet



AGSS





## Fully-Electronic control

- Double touch screen, special and simple-operation screen layout.
- Fully-Electronic for flow meters(Unique design), functional-test: including system leakage and compliance. calculation, automatic switchover, if O<sub>2</sub>/N<sub>2</sub>O/Air deficiency: O<sub>2</sub> ↔ Air, N<sub>2</sub>O → O<sub>2</sub>
- Fully-Electronic fresh gas flow control(Unique design), gas supply measured by pressure sensor.
- Electronic and Mechanical Flush O<sub>2</sub>.
- Bypass switch, absorb switch status detect, 4 wave display in the same screen.

## Smart operation & control



### Auto FiO<sub>2</sub>

One key FiO<sub>2</sub> set up, automatic adjust oxygen flow to maintain FiO<sub>2</sub> if fresh gas has changed.

Touch and slide to modify the setting value, high efficient operating.



### Electronic & Mechanical Flush O<sub>2</sub>

Flush O<sub>2</sub> can be operated by electronic button on the touchscreen or mechanical button on the workbench, user friendly control.



### Color coding

Different color stands for different parameter unit, it is very intuitive for the user to check and distinguish different parameters simply by the colors.

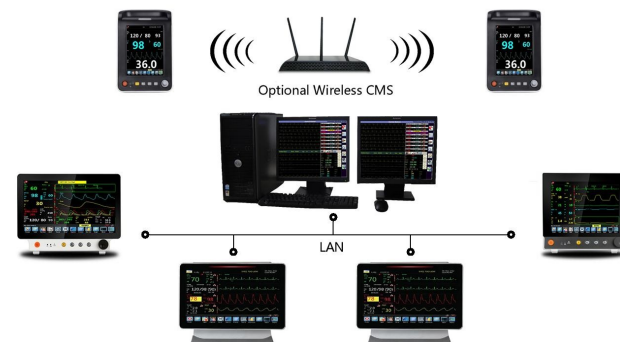
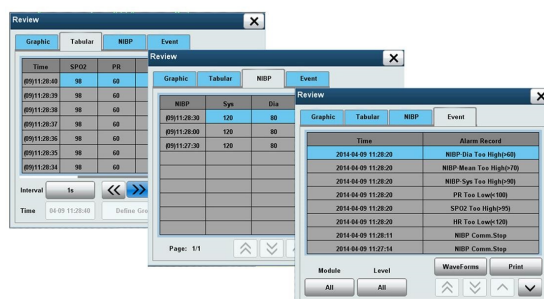


## Features

- 15.6" High resolution TFT LCD Touch screen
- 10 waveform display, up to 12-lead ECG analysis
- Powerful calculation (Hemodynamic, Dose, Oxygenation, Ventilation)
- MEWS (Modified Early Warning Score)
- Pacemaker detection
- ST & arrhythmia analysis (26 types)
- SpO2 support PVI and PI, low perfusion 0.2%
- Night mode, standby mode, venipuncture mode
- Trolley/wall mount bracket solutions
- Support BIS module, NMT module
- Wired/Wireless/4G connection, support HL7 protocol to HIS
- SpO2 pulse-tone modulation (Pitch Tone)
- VGA/HDMI support external display
- Graphical & tabular trend review
- Rechargeable Lithium-ion Battery
- 72 hours full disclosure wave review for each patient

## Easy access to view the historical data

480	Hours long trend
120	Min short trend
10000	NIBP measurement
200	alarm event



## Central Monitoring System

Up to 64 beds  
Net work is compatible to wired or wireless CMS  
Auto adaptable to different screen resolution

## Configuration

5-lead ECG, SpO2, NIBP, TEMP, Resp, PR; Touchscreen, HDMI, Li-ion battery

## Optional

12-Lead ECG, Masimo/Nellcor SpO2, IBP, C.O., EtCO2, Multi-gas, BIS, NMT; Thermal Recorder, Wired/Wireless CMS, 4G module



### Masimo SET® SpO2

Measure-through Motion and Low Perfusion pulse oximetry delivers accurate and reliable oxygenation



### Bispectral Index™ by Aspect

Monitor the level of consciousness of the patient under general anesthesia or sedation. provides BIS, SQI, EMG, SR, SEF, TP, PC value and EEG wave.



### Masimo Gas Technology

IRMA™ Mainstream & ISA™ Sidestream Analyzers  
Allows selection of the modality best suited to the application



### NMT

Neuromuscular monitoring



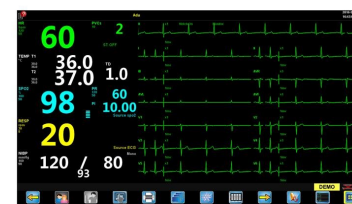
### IBP

2-4 Channel, support IBP waveform overlapping display

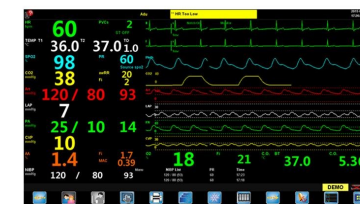


### C.O.

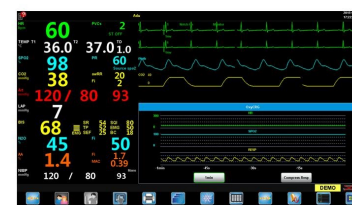
Cardiac Output



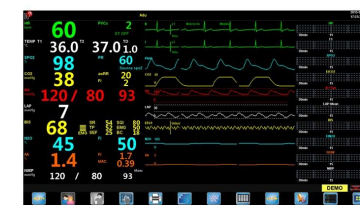
12-Lead ECG



4 channel IBP



OxyCRG screen



Dynamic trends