

APOLLO N2 Respiratory Apparatus



Physical specifications

Weight (Standard Configuration) 5.5kg
 300(W)×270(H)×120(D)mm
 Size 300(W)×410(H)×120(D)mm (with printer)

Display

Type and size 12.1" Color TFT
 Resolution 800*600
 Number of trace 6 traces
 Sweep speed 12.5mm/s, 25mm/s, 50mm/s
 Display modes Standard display
 Large-font display
 Trend coexist display
 OxyCRG dynamic view display

Drug does calculation Yes
 Standby mode Yes

Operation Environment:

Temperature Working: 0°C to 40°C
 Transportation: -20°C to 60°C
 Relative Humidity Working: ≤85% Transportation: ≤93%
 Atmospheric pressure 860hPa ~ 1060 hPa

Electrical

AC input voltage 100-240V
 AC input frequency 50/60Hz
 AC input power (100VA)

Battery

Type Exchangeable Li-ion battery
 Voltage 14.8V
 Maximum number of batteries 1
 Battery working time 2 hours with one battery

Patient Range

Neonate, pediatric, and adult patients

Alarms

Categories Physical alarms and Technical alarms
 Priority High, Medium, and Low
 Alarm sound levels 0,1,2,3,4
 Notification Visual and Audible

Performance Specifications

ECG

Lead type 3-Lead or 5-Lead selectable
 3 leadwire I,II, or III
 5 leadwire I,II, III, V, AVR, AVL, AVF
 Gain ×0.25, ×0.5, ×1, ×2, Auto
 Sweep speed 12.5mm/s, 25mm/s, 50mm/s
 Standardizing voltage 1mV marker
 Bandwidth(Surgery mode) 1-20Hz
 Bandwidth(Monitoring mode) 0.5-40Hz
 Bandwidth(Diagnostic mode) 0.05-130Hz
 Multi-lead display
 Lead fail Identifies failed lead
 Alarms User-selectable upper and lower heart rate limits

ECG derived HR

Heart Rate for Adult 15-300BPM
 Heart Rate for Neonate/Pediatric 15-350BPM
 Heart Rate Accuracy ±1BPM or ±1%, whichever is greater
 Heart Rate Resolution 1BPM
 Notch 50Hz, 60Hz

ST Segment

ST segment range -2.0mv to 2.0mv
 ST alarm range -2.0mv to 2.0mv
 ST segment accuracy -0.8mv to 0.8mv
 ST segment error ±0.02mv
 Arrhythmia type 13 types

Pace

Pace-maker detection Yes
 Pace rejection amplitude ±2 mV ~ ±700mV
 Pace rejection width 0.1ms ~ 2ms
 Pace rejection rise time 10µs ~ 100µs

Temperature

Scale °Celsius(C) or °Fahrenheit(F)
 Probe type YSI types
 Parameters T1, T2 and TD
 TD(Temperature difference) Yes
 Measurement range 0~50°C

Resolution 0.1°C
 Accuracy ±0.1°C

Pulse oximetry

Parameters monitored Arterial oxygen saturation(SpO2) and peripheral pulse rate(PPR)
 SpO2 measurement range 35%~100%
 PPR measurement range 20bpm ~ 300bpm 1bpm ±3bpm
 Resolution 0.01
 Error ±3bpm
 Accuracy ±2%(70%-100%); unspecified(0-69%)

NIBP

Measurement technique Oscillometric
 Displayed parameters Systolic, diastolic and MAP(mean arterial pressure)
 Measurement mode Manual, Auto, STAT
 Measurement unit mmHg/kPa selectable
 Range of Systolic pressure Adult : 40-270mmHg
 Pediatric : 40-200mmHg
 Neonate : 40-135mmHg
 Adult : 20-235mmHg
 Pediatric : 20-165mmHg
 Neonate : 20-110mmHg
 Adult : 10-215mmHg
 Pediatric : 10-150mmHg
 Neonate : 10-100mmHg

Range of mean pressure

Range of diastolic pressure

Accuracy

Resolution 1mmHg
 Alarms Selectable upper and lower limits
 Over-pressure protection Double safety protection

Respiration

Measurement technique RA-LL Impedance variation detection
 Range Adult : 7~120rpm
 Pediatric/Neonate: 7~150rpm
 Apnea alarm Yes, 10s, 15s, 20s, 25s, 30s, 35s, 40s selectable
 Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s
 Gain 0.25, 0.5, 1, 2, 4

Recorder

Type Thermal dot array
 Number of waveform channels 4(standard)
 Paper width 112mm
 Paper speed 25mm/s

IBP

Channels 1 or 2 selectable
 Measurement range -10~300mmHg
 Resolution 1mmHg
 Accuracy ±1mmHg or ±2%, whichever is greater (without sensor)

Pressure names ART, PA, CVP, RAP, LAP, ICP, P1, P2
 Alarm range -10~300mmHg

Pressure transducer

Sensitivity 5µV/V/mmHg
 Impedance range 300-3000Ω

ETCO2

Mainstream CO2/Sidestream CO2

Measurement range 0-150mmHg
 Accuracy 0 to 40mmHg ±2mmHg
 41 to 70mmHg ± 5% of the reading
 71 to 100mmHg ±8% of the reading
 101 to 150mmHg ±10% of the reading

Mainstream CO2

RR range 0 to 150rpm
 Accuracy 1rpm
 Response time <60ms

Sidestream CO2

Sample flowrate 50ml/min
 Accuracy ±15% or 15ml/min, whichever is greater
 Warm-up time <1min, enter the iso accuracy mode
 After 1 min, enter the full accuracy mode
 RR range 0-120rpm
 RR accuracy ±2 rpm

Standard Configuration: ECG, RESP, SPO2, NIBP, TEMP, PR/HR

Optional: ETCO2, IBP, 2-IBP, Masimo SpO2, wired and wireless Central Station systems, printer



APOLLO N2 Respiratory Apparatus

- 12.1 inch TFT-LCD display, touch screen.
- External 112mm width printer for 4 channels.
- 15 drug calculation and 13 ARR analysis, ST analysis.
- 120mm thickness, foldable handle.
- Flexible mounting solution.



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