

AW - 3009

Anesthesia Work Station



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Anesthesia Work Station

- Three Gas Anaesthesia Machine with provision for O₂, N₂O & Air
- Main Driving gas can be air, hence reduce running cost of oxygen
- Smart Gas Shift Technology: In case main Air gas fails, auto shift to secondary gas O₂
- Five Tube flow meter assembly with Anti Hypoxia Guard with N₂O shut off in case O₂ fail
- Advance ventilator with full range of modes VCV, PCV, SIMV, PSV, Manual, Standby
- 9 Inch Color Touch screen for display waveforms (PT, FT, VT) & Loops (PV, FV)
- Advanced proportional valve technology with tidal Volume compensation & precise flow
- Control to ensure accurate ventilation delivery from 20ml-2000ml
- Lithium Ion Battery backup 3 hours
- Electronic PEEP & Fio₂ Monitoring
- Switchable Auxiliary Common gas outlet (ACGO)
- Emergency oxygen flush flow between 35 to 70 LMP
- Twin Selectatec type vaporizers manifold with interlock system
- Inbuilt Pin Index Yokes for O₂ & N₂O
- Inbuilt Dual Drawers with big storage space
- Integrated circle observer (1.5 L) with APL Valve and manual/Vent switch

►► Technical Specifications

VENTILATOR PARAMETERS

Driven mode: Pneumatically driven electronically control

Touch Screen + Rotary knob + Key pad for simple operation

Patient Type: Adult & Paediatric

Tidal Volume (VT): 20ml~1500ml

Display Size: 9 Inch colour Touch screen

Ventilation mode: VCV, PCV, SIMV-V, SIMV-P, PSV

STANDBY, Manual/Spontaneous, ACGO

Pressure Control: 5~100cmH₂O

Pressure support: 5~60cmH₂O

Electronic PEEP: OFF, 3~40 cmH₂O

Trigger: Flow and Pressure trigger

Frequency (f): 0~100 bpm, Frequency SIMV: 4~60 bpm

I: E ratio: 10:1~1:10

Inspiratory time: 0.5~ 5S, Inspiratory pause: 0~50%

Case START/STOP key with timer

PNEUMATIC SPECIFICATION

Operational Modes: Closed & Semi Closed circuit system
O₂/ N₂O /Air Pipeline Gas Supply: 0.23Mpa~0.6MPa
O₂, N₂O Cylinder Gas Supply: Pin indexed yokes
Pressure gauge: 3 nos. for pipeline, 2 nos. for cylinder
Flow Meter: Cascade Flow Meter for O₂, N₂O & Single for Air
Oxygen: Low Flow - 0.1~1.0 lpm & High Flow - 1~10 lpm
N₂O: Low Flow - 0.1~1.0 lpm & High Flow - 1~10 lpm
Air: 0~10 lpm
Hypoxic guard system: Mechanical type provides minimum 25% concentration of O₂ in O₂/N₂O mixture.
Method : Proportionate reduce N₂O with reduction in O₂ flow
O₂ gas supply failure alarm: O₂ pressure \leq 0.23MPa
N₂O cut off: N₂O cut off with O₂ gas supply pressure fail
O₂ flush: 35~75L/min
Switchable ACGO: ISO 22 mm OD and 15 mm ID
CO₂ absorbent: Quick release type with volume 1.5L.

MONITORED PARAMETERS

Parameters: P_{peak}, P_{mean}, PEEP, P_{plat}, MV, MV_{spont}, MV_{cont}, TV_i, TV_e, Freq, Freq_{spont}, Freq_{cont}, Fio₂, Peak Flow, Ti, Te, I:E, Resistance & Compliance, Gas Pressure, Etco₂ (optional)
Waveforms: P-T, F-T, V-T & CO₂-T (Optional)
Loops: P-V, F-V
Alarm Recall & Review

ALARMS

3 levels audio visible alarm
Volume: V_te high/ low, MV high/low
Pressure: P_{peak} high/low, PEEP high/low, Gas Pressure fail
Frequency high/low, Fio₂ high/low, Apnea time, alarm mute,
Power: AC Power fail, Low Battery

GENERAL

Dimension: 1400 X 800 X 650 mm (HXWXD)

Drawer Size Internal: 400 X 410X 170 mm (LXWXD)

Casters: 4 inch diameter, with Front Locking brakes at front
DIN rail at both side of machine allow for flexibility and ease
of mounting patient monitor

Power Supply: AC100~240±10%, 50/60 Hz, 1A, 100VA

Battery: 9.6V /3.2AH Lithium Ion Phosphate backup > 3 hours

Communication: USB & VGA

Weight: 90Kg

VAPORIZER

Dual Position Mounting: Tool-free installation

Selectatec compatible with interlock.

Agent type: Halothane, Isoflurane, Sevoflurane,

Filling type: Pour-fill, Easy-fill and Quick-fill.

SAFETY STANDARD

Basic: In accordance with IEC 60601-1, 2 & EMC 60601-2

Unit Type: Class, Type B, IPX0

Working Environment: Temperature: 10-40 C,

RH: 10-90% non condensing

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HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

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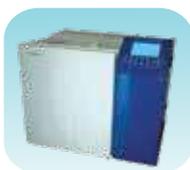
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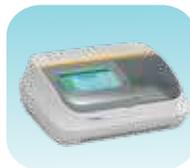
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