

AMW-3850

Anesthesia Machine Workstation



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

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Vaporizers :

Highly precision, highly airproof, relatively stable and quick in response in working; the rapid-fill design simplify agent filling and help minimize agent leaks while filling



▶▶ **AMW-3850 Anesthesia Workstation**

AMW-3850 is named as “The return of the king” which enjoys a good market reputation. AMW-3850 helps clinicians worldwide to deliver tailored therapy to a broad range of patients.

Extraordinary performance points

- 10.4 Inch LED Display
- Compact Anesthesia ventilation system with the standard of ISO13485:2012
- Easy to operate, user friendly
- Ventilation parameters monitoring, preset parameters, alarm indication and breathing waveform monitoring
- Support adult and pediatric
- Applied for closed, semi-closed, semi open inhalation anesthesia controlled or assisted ventilation
- 3 gas sources

Prospective service and support

ATL is the trusted partner for professionals who rely on our quality assurance, wide level range and high technology. Today we are very proud to share with you our core products, which are dedicated to providing professional assortment and solutions for ICU and operation room.

We offer a highly professional after-sales support provision and also provide technique supports according to customers' needs. Training courses are available of the service packages, managed by experienced training officers. The after-sale service department delivers fast response times and cost-effective maintenance programs without fears in the rear.

►► Technical Specifications

Physical Specifications	
Screen	10.4 Inch TFT display
Display graphics	Waveforms of P-T, F-T, V-T, loops of P-V,V-F,F-P
Monitoring	VT, MV, BPM, Paw, Lung compliance, Inspiratory Platform, FiO ₂ and so on.
Dimensions	940mm×790 mm×1270 mm 700mm×680 mm×370 mm
Package	With two Cartons
CBM	1.12
Weight	114 kg
Trolley	Fitted with 4 nos anti-static rubber castors; two of which are lockable for braking and easy maneuverability with foot operated brake provisions
Drawer unit	Two drawer totally extractable

Vaporizers		
Concentration range	Enflurane	0.5~5%
	Isoflurane	0.5~5%
	Sevoflurane	0.5~5%
	Desflurane, Halothane(Optional)	
Compensation function	Flow, pressure, and automatic temperature control	
Self-locking function		
Capacity	180 - 225 mL	

►► Technical Specifications

Gas requirement	Medical oxygen and nitrous oxide with a pressure ranging from 0.3 MPa to 0.5 MPa.
safety valve	<6 kPa
Flow meter	5 tubes Cascade 0.1-10L/min O ₂ ; 0.1-10L/min N ₂ O; 0.1-10L/min Air
Oxygen concentration in the mixed gas N ₂ O/O ₂	> 21%
Oxygen Flush	25~75 L/min
Maximum error of the pressure testing device	not exceed ± (4% of the full scale reading + 8% of the actual reading)
Respiration Mode	A/C, IPPV, SIPPV, VCV, PCV, IMV, SIMV, Manu, Standby.
Respiration Frequency	1~100bpm
I/E Ratio	8:1~1:10
Tidal Volume	20~1500ml
Ptr	-10~20 hPa
Controlled ventilation and assisted ventilation switching time	6s
Inspiratory Plateau	0~1s
PEEP	0~20 hPa
O ₂ Concentration	21%~100%
Sigh	one deep breath per 80 controlled respirations, the inspiration time is 1.5 times of the setting point and the permissible error is -10% or 15%.
Airway pressure alarm: Audible and visual and with yellow and red color indicating	upper alarm: 0.3kPa ~ 6 kPa ±0.2 kPa, or ±15%
	lower alarm: 0.2 to 5 kPa ,±0.2 kPa or ±15%
Tidal volume alarm:Audible and visual and with yellow and red color indicating	upper alarm: 50 to 2000ml, ±20%
	lower alarm: 0~1800ml, ±20%
Oxygen concentration alarm: Audible and visual and with yellow and red color indicating	upper alarm: 21% ~100%, ±3%; lower alarm:10%~80%, ±3%

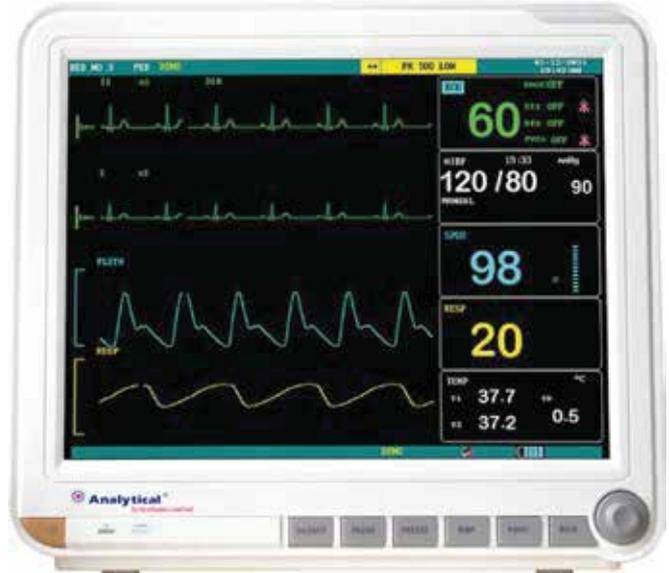
The airway pressure continues to be higher than 15 hPa ±1 hPa for 15s±1s, then the machine will raise an audible alarm, the pressure will be displayed in red and the continuous high pressure red alarm wording is displayed on the screen of the anesthetic respirator.

Operating Conditions	
Ambient temperature	10 ~ 40°C
Relative humidity	no higher than 80%
Atmospheric pressure	860 hPa ~ 1060 hPa
Power requirement	100-120 Vac, 50/60 Hz;
Air source requirement	Medical oxygen and laughing gas with a rated pressure ranging from 0.3 to 0.5MPa.
Attention: the AC power supply used for the anesthesia machine must be well grounded.	
Attention: the anesthesia machine used must be equipped with a carbon dioxide monitor complying with ISO 9918:1993, an oxygen monitor complying with ISO 7767:1997 and an expiratory gas volume monitor complying with 51.101.4.2 of Medical Electrical Equipment Part II: Special Requirements for Safety and Basic Performance of Anesthesia System.	
Storage	
Ambient temperature	-15°C ~ +50°C
Relative humidity	no higher than 95 %
Atmospheric pressure	86 kPa ~ 106 kPa
It should be stored in a room without corrosive gas and well ventilated	
Package	
Packaging box	comply with the requirement
	Between the packaging box and product, soft material with appropriate thickness provided to prevent loosening and mutual friction during transportation
	Moisture protection and rain protection to ensure that product is protected from natural damage.
Power	
Power supply alarm	Audible and visual Typical 30 mins +, upto 180mins
Battery Power	lead-acid battery with a rated output voltage of DC 12V
	it should be charged at an interval no longer than 12h

▶▶ Patient Monitor (PM-3000)

Features

- 15.1" Color TFT Display
- Suitable for adult and pediatric and neonatal patient
- Basic Parameters(ECG, SPO2, NIBP, TEMP,PR,RESP) in a durable case for bedside monitoring and transport
- Audible and visual alarms with adjustable alarm ranges
- Trend data 72 hours, 1000 groups of NIBP data, playback waveforms and data of 72 hours



▶▶ Technical Specification

ECG

- Standard Leads: RA.; LA ; RL; LL ; V
- Performance gains: 0.25 ; 0.5; 1 ; 2; (4 gears adjustable)
- Scanning speed: 12.5mm/s, 25mm/s, 50mm/s
- Working mode: Diagnosis, monitoring and operation
- Protection: shock resistance, resistance to Electric knife

HR

- Measure Range: 20bpm~250bpm;
Alarm Range: Up:22bpm~250bpm;Lower:20bpm~248 bpm

SPO2

- Measure range: 0%~ 100%; .Alarm Range: Up: 70 % ~ 100% ; Low: 0% ~ 99%

NIBP

- Measure Mode: Manu, Auto, STAT
- Measuring range: systolic pressure: 50 mmHg ~ 240 mmHg mean blood pressure: 25 mmHg ~ 200 mmHg diastolic pressure: 15 mmHg ~ 180 mmHg
- Alarm Range: systolic pressure:Up: 52 mmHg ~ 250 mmHg ; Low: 50 mmHg ~ 248 mmHg
mean blood pressure:Up: 22 mmHg ~ 230 mmHg ; Low: 20 mmHg ~ 228 mmHg
diastolic pressure:Up: 17 mmHg ~ 180 mmHg ; Low: 15 mmHg ~ 178 mmHg

TEMP

- Measure Range: Not less than 28 °C ~43.2°C ; .Alarm Range: Up: 0.2°C ~ 50°C ;
Low: 0°C~ 49.8 °C

PR

- Measure Range: Not less than 30bpm ~ 250bpm

RESP

- Measure Range: Not less than 0 time/ min~ 100 times/ min ; . Display: Waveforms &
Breathing Rate

ETCO2

- The details ckeck the user manual

Regulatory compliances



Corporate Social Responsibility

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Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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