

# AW-3325

## Anaesthesia Workstation



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**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ▶▶ Anaesthesia Workstation

Main body	High-strength engineering plastic rack, light, beautiful and corrosion resistant
Scope of application	adult, child
Gas source	O <sub>2</sub> : 0.27--0.55MPa N <sub>2</sub> O: 0.27--0.55MPa
Flow meter	O <sub>2</sub> : 0.1--1.0L/min 1.1--10L/min N <sub>2</sub> O: 0.1--1.0L/min 1.1--10L/min Air : 0.1--10L/min
O <sub>2</sub> , N <sub>2</sub> O linkage and N <sub>2</sub> O Stopper	When using nitrous oxide, oxygen concentration>25%; When the oxygen pressure<0.2Kpa, the flow of nitrous oxide would be cut off.
Flow rate of rapid oxygen supply	25--75L/min
Low oxygen pressure alarm	There will be sound alarm when the oxygen pressure < 0.2MPa
Vaporizer	It has the function of automatic compensation based on pressure, temperature, and flow rate. The regulation range of evaporator concentration is 0-5vol%. Among Halothane, Enflurane, Isoflurane and Sevoflurane, two can be chosen for application as required by the customer. And vaporizers that are imported with original packaging are also available.
Respiratory circuit	working mode: all-close, semi-close, semi-open APL: 0.5--7 kPa
Respiratory Bellows	bellows for adults, tidal volume range:0--1500 ml bellows for children, tidal volume range:0--300 ml anyone can be chosen for application as required by the customer

## ▶▶ Ventilator

Display mode	10.4" Touch Screen, High-definition TFT color LCD.
Ventilation mode	IPPV, SIPPV, SIMV, PEEP, MANUAL, SIGH, IMV, VCV, PCV
Ventilation parameters	Tidal volume 20--1500 ml Rate 1--99 bpm SIMV rate 2--20 bpm I:E 4:1--1:8 Inspiratory trigger pressure -1.0--2.0 kPa PEEP 0--2.0 kPa Pressure range 1.0--6.0 kPa SIGH 1.5 times the inspiratory time 70-150 adjustable Inspiratory platform 0--50%
Parameters for ventilation monitoring	tidal volume, ventilation volume, IPPV rate, SIMV rate, total respiratory rate, I/E, peak pressure of airway, average pressure, pressure - time waveform, flow rate - time waveform, PEEP, inspiratory trigger pressure, Inspiratory platform, autonomous inspiratory rate, lung compliance, airway resistance, flow-volume loop, pressure-volume loop
Monitoring of oxygen concentration	21%--100%

## ▶▶ Security Alarm System

Oxygen Concentration alarm	upper limit setting range 21%--100% low limit setting range 10%--80%
Airway pressure alarm	upper limit setting range 0.3--6.0 kPa low limit setting range 0.2--5.0 kPa
Per-minute ventilation volume alarm	upper limit setting range 3.0--30L/min low limit setting range 1.0--10L/min
Sustained high-pressure alarm	it will give alarm when stress have consistently been higher than 2.5 kPa
Suffocation alarm	it will give sound and light alarm if there is no tidal volume input for 15 seconds

## ▶▶ Power Alarm

Power	AC 220V±10%, 50Hz±1Hz, Storage battery (UPS)
Mechanical Arms (End-expiratory CO2 monitoring)	
* Items within brackets are optional.	

12 inch Six Standard parameters: ECG, RESP, NIBP, SPO2, 2\_TEMP, PR/HR

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



# 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](mailto: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.

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