

# AS - 3610

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## Anesthesia System



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► TECHNICAL SPECIFICATION:

- **Ventilation mode**

IPPV, A/C, PCV, PSV, SIMV, SIGH, MANUAL

- **Ventilator parameter range**

Flowmeter	O <sub>2</sub> (0.1~10 L/min) N <sub>2</sub> O (0.1~10 L/min) AIR (0.1~10 L/min)
Rapid oxygen supply	25 L/min~75 L/min
Tidal volume(Vt)	0, 20 mL~1500 mL
Frequency	1 /min~100 /min
I:E	4:1~1:8
PEEP	0 cmH <sub>2</sub> O~30 cmH <sub>2</sub> O
Pressure triggering sensitivity (Ptr)	-20 cmH <sub>2</sub> O~0 cmH <sub>2</sub> O (Based on PEEP)
Flow trigger sensitivity (Ftr)	0.5 L/min~30 L/min
Pressure control (PC)	5 cmH <sub>2</sub> O~60 cmH <sub>2</sub> O
SIGH	0 (off) 1/100~5/100
Apnea ventilation	OFF, 5s~60s
Pressure limit	20 cmH <sub>2</sub> O~100 cmH <sub>2</sub> O

- **Monitoring parameter**

Frequency (Freq)	0 /min~100 /min
Tidal volume(Vt)	0 mL~2000 mL
MV	0 L/min~100 L/min
Oxygen concentration	15 %~100 %

- **Oscillogram**

P-T (pressure – time)

F-T (flow – time)

P-V loop (pressure – volume loop)

- **Working condition**

Gas source	O <sub>2</sub> , N <sub>2</sub> O, AIR
Pressure	280 kPa~600 kPa
Voltage	100~240V
Power frequency	50/60 Hz

● **Alarm and protection**

The AC power failure alarm	Power failure or no connection
Low voltage alarm for back up battery	< 11.3±0.3V
No tidal volume	≤5mL within 6s
High oxygen concentration alarm	19%~100%
Low oxygen concentration alarm	18%~99%
High airway pressure alarm	20 cmH <sub>2</sub> O~100 cmH <sub>2</sub> O
Low airway pressure alarm	0 cmH <sub>2</sub> O~20 cmH <sub>2</sub> O
High minute volume alarm	Adult (5 L/min~20 L/min) Paed (1 L/min~15 L/min)
Low minute volume alarm	0~10 L/min
Continuous pressure alarm	(PEEP+1.5 kPa) over 16s
Suffocation warning	5s~60s no spontaneous ventilation
The maximum limited pressure	< 12.5 kPa
Fan error	Show on screen
Oxygen deficit	Show on screen

● **Packing size**

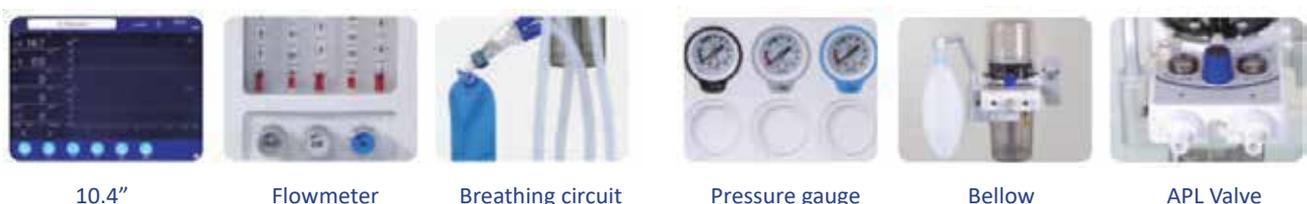
Wooden case packing size	L 920* W 970* H 1380mm
G.W.	156KG
N.W.	102KG
CBM	1.23m <sup>3</sup>

▶▶ **APPLICATION:**

The Anesthesia machine makes a good performance in Intensive Care Units (ICU), Operation room, Anesthesiology Department and other departments.

Professional design for adult, child and infant inhalation anesthesia and respiratory management, with advanced ventilation modes. Outstanding ergonomic design, it ranks high level insaftey, stability and convenience as well as user experiences.

AS 3610 comfortable classic model, easy to use and be designed together with experienced experts to streamline your anesthesia workflow.





## ▶▶ TRUST POINT:

- Simplicity: 4 static casters with self-locking function.
- Precision in an anesthesia ventilator with multiple ventilation modes: IPPV, A/C, PCV, SIMV, SIGH and MANUAL.
- Flexible configurations able to customize your requirements.
- International standard and advanced technology suitable for wide range use.
- Compact interface and big screen give you better operating experience.
- Over 5,000 units are installed in more than 200 countries.

## ▶▶ FEATURES:

- 10.4" TFT LCD screen displays the Ventilation parameters, Alarm information and Oscillogram.
- High precision flowmeter, instantly know the fresh gas flow to your patient.
- Integrated breathing circuit design, ensure easy operating and keep tidy.
- Multiple working modes such as volume control and pressure limit, adapt to wide range patient.
- Vaporizer with temperature, pressure, flow compensation and self-lock function, keep safety anytime.
- Multiple parameters monitoring interface, make every parameter clear, let users know the patient conditions in all aspects.
- Pressure-time, low-time loop oscillogram and high precision ETCO<sub>2</sub>, O<sub>2</sub> concentration show in real time.
- Vital sign monitor and anesthetic gas monitor are optional.
- ETCO<sub>2</sub> module and Anesthesia Gas Scavenging System (AGSS) are optional.

▶▶ **SAFETY:**

- 3 level alarm system, visual and sound alarm information.
- With multiple type of alarm, reminder and protection functions.
- Advanced power management control technology.
- Built-in backup battery provide the emergency power supply to the unit.
- Low O<sub>2</sub> pressure alarm and N<sub>2</sub>O cut-off protection.

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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.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

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## Our Products & Technologies



## 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 DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



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