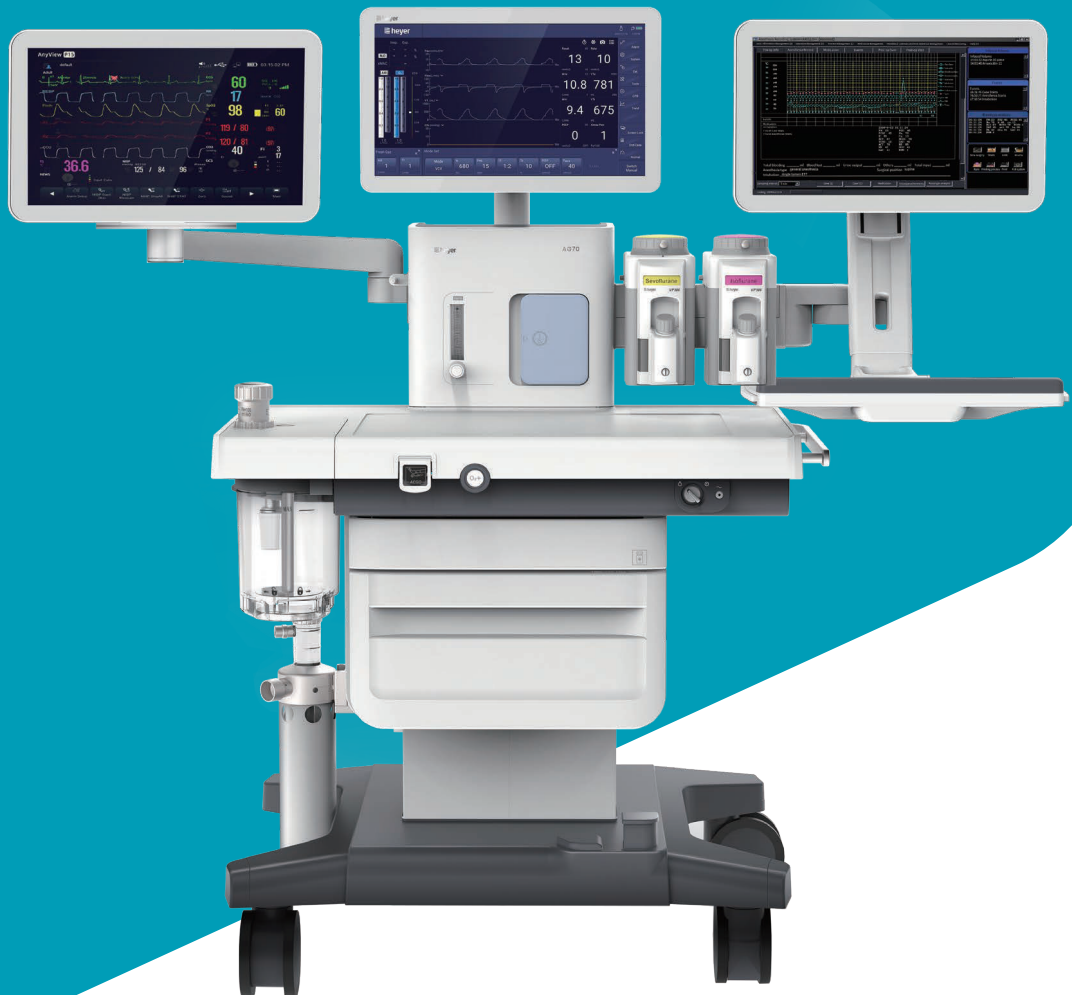


AG70

Anesthesia Workstation



CE 0123

 heyer



18.5 inch smart pad

The large smart pad can realize 180° horizontal rotation and 30° vertical pitch adjustment achieving different position operation and improving operation experience.



USB work light

Touch-adjustable USB light lights up the work space for a clear vision during dim environment.



Electricity-gas isolation

Gas and electricity separation builds up a clean and safe OR environment.



Oversize workbench

Being tiled 3 sheets of A4 paper gives clinicians enough space to place and operate.



Double drawer design

The upper drawer can be used as medication box, no handle design, press to pop out. The lower drawer as a large instrument box.



Central brake system

Double pedal design, left pedal lock, right pedal unlock. More labor-saving, more efficient.

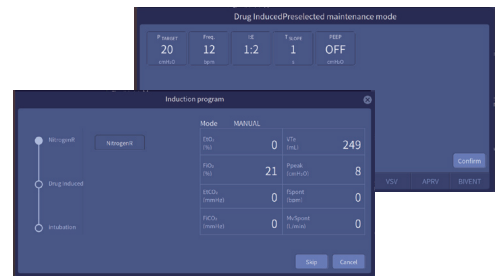


AG70



Auto Induction Process Management (AIPM)

Before starting induction, clinicians need to set the patient's age, weight and other information firstly. Induction mode is divided into three stages: nitrogen removed, drug induced and intubation. According to the prompt information of each stage, carry out induction operation. The induction kit helps clinicians to conduct induction calmly even when manpower is not enough.



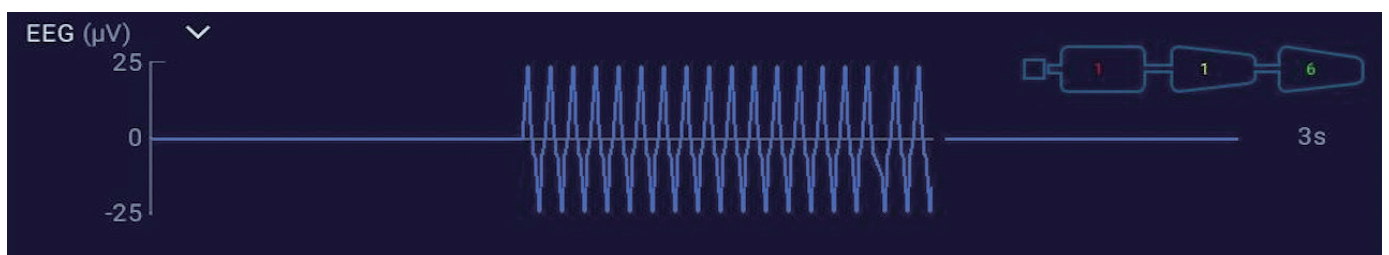
Auto Resuscitation Process Management (ARPM)

It includes lung washing, suction and lung recruitment, mechanical and spontaneous ventilation testing. The resuscitation kit is used for patients with difficult airways. The machine autonomously determines whether lung washing is required, recruits lung automatically after suction, and judges whether extubation is suitable according to the patient's state, which improves the resuscitation efficiency.



EEG waveform

Anesthesia depth monitoring helps anesthesiologists to observe whether the anesthesia depth is suitable for current stage and to keep patients in a stable and safe situation.



Lung-protective ventilation

Lung-protective ventilation is the current standard of care for mechanical ventilation. The risk of Post Pulmonary Compliance (PPCs) can be effectively reduced through lung-protective ventilation.



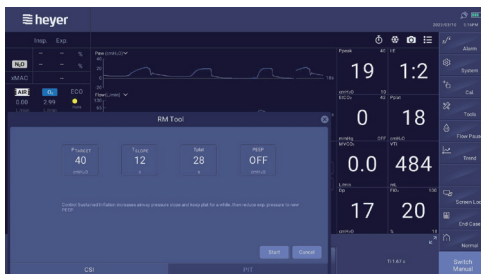
Low tidal volume

With a minimum tidal volume of 10ml in volume control mode, AG70 can meet patients' needs with different body weight and in different health status.



Individualized PEEP titration tool

BEP helps with individualized PEEP titration. Through the guidance of the PV Loop tool, the appropriate PEEP value and tidal volume are realized.



Minimized impact recruitment maneuver

Two types recruitment maneuver are available: stepwise PEEP or sustained inflation. Automate repetitive tasks used during lung ventilation procedures.

Cardiopulmonary Bypass (CPB)

Patients have continuously ventilation during CPB and have a higher PaO₂/FiO₂ ration which means a better oxygenation. It can also significantly reduce the duration of intubation and non-invasive mechanical ventilation after surgery.

AG70 offers VCV and PS/CPAP with a 5ml volume delivery during CPB, which has advantages in conserving lung function by lessening platelet and neutrophil sequestration and debilitating the thromboxane B2 response after CPB.



Comprehensive ventilator-level ventilation modes satisfy various patient types, dealing with complicated patient's conditions with lung protective ventilation.

| VCV | PCV | PCV-VG | SIMV-VC | SIMV-PC |
| SIMV-VG | PS/CPAP | BIVENT | APRV | VSV |

All-round monitoring parameters

More than 30 parameters including paw, volume, gas, BIS etc. are monitored on AG70, giving clinicians all-round outcomes to operate and take care patients.

Innovated parameter boxes can be made as individualized combination according to the surgery needs and clinicians' operation experiences by sliding and splitting. Maximum 16 parameters can be chosen to show simultaneously.



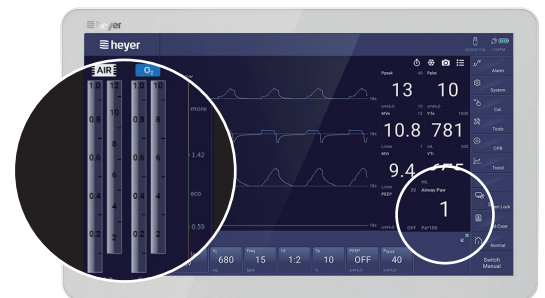
Digital flowmeter and pressure gauge

Digital gas mixture, adjustment and display, precise gas controlling ensures the accurate flow rate and benefit for green planet.

Two adjustment methods for option:

- (1) Single tube adjustment for each gas
- (2) Total flow and O_2 concentration adjustment

With Eco-optimizer to tip if the flow is appropriate, ensuring patient's safety and reduce gas waste.

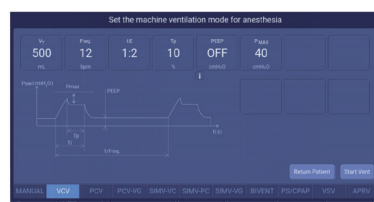


Modern adjustment methods

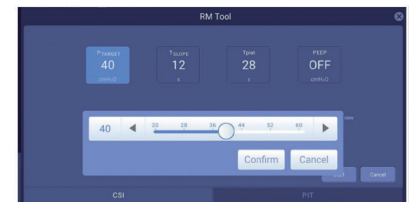
Adjustment methods which are of sense of technology achieve coarse and fine adjustment more convenient. Intelligent reference icons and waveforms tip clinicians the ideal and realistic situation of the patient for a better judgement.



Alarm setting



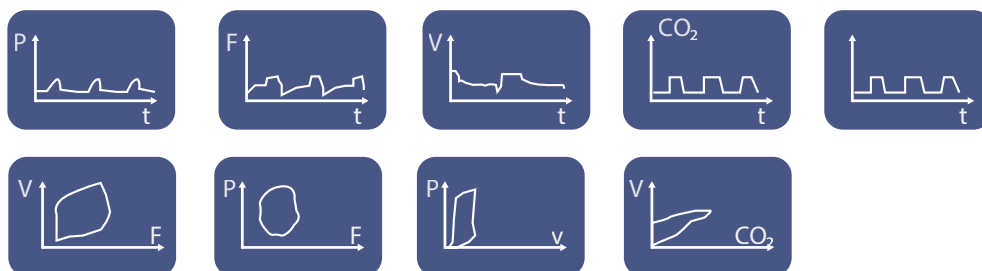
Reference waveform for ventilation mode



Parameter setting

AA waveform

AA waveform gives clinicians an intuitive observation on the whole stage of anesthetic gas concentration change.



Technical Specifications

BASIC UNIT

Dimensions(H*W*D)

1405*870*760mm

Weight and load

Excluding vaporizers 110kg

Including vaporizers 130kg

Work surface load 25kg

Caster locking

Braking type 125mm, Central brake system

Power and battery backup

Power input AC 100~240 V, 50/60 Hz

Power output 4 sockets, 1.5A individual

Battery and operation time with fully charged Lead-acid, 90 min

ANESTHESIA GAS SUPPLY MODULE

Gas supply O₂, N₂O, Air; 280~600kPa

Cylinder yokes Optional

Flowmeter Electronically controlled mixer

O₂ flush 25~75L/min

Auxiliary common gas outlet (ACGO) Standard

Anesthetic gas scavenging system (AGSS) Optional

Range of flowmeter

0~18L/min or set each gas independently:

O₂, N₂O: 0~10L/min; Air: 0~12L/min

Vaporizer

Agent Sevoflurane, Halothane, Enflurane, Isoflurane

Installation mode Selectatec with interlock

Filling type Pour-fill, Key-fill, Quik-fil

Breathing system

Type Volume reflector

Heating system 32~40°C

Volume of CO₂ absorber 1.5L for single canister

APL range Spontaneous breathing (SP) ~70 cmH₂O

CO₂ bypass Optional

VENTILATOR OPERATING SPECIFICATIONS

Control input ranges

Freq 2~100 bpm

I:E 4:1~1:8

Vt 10~1500 ml

T_{INSP} 0.2~5.0 s

P_{TARGET} 5~70 cmH₂O

P_{MAX} 10~100 cmH₂O

T_{SLOPE} 0.2-2 s

ΔP 3~60 cmH₂O

PEEP OFF, 3~50 cmH₂O

Trigger 0.5~15 L/min / -20~-1 cmH₂O

Compensation Compliance and leakage compensation, fresh gas compensation, altitude compensation

Ventilator Pneumatically driven, Electronically controlled

Ventilation modes-standard VCV, PCV, Manual/Spontaneous

Ventilation modes-optional PCV-VG, SIMV-VC, SIMV-PC, SIMV-VG, PS/CPAP, BIVENT, APRV, VSV

Ventilator monitoring & alarm

Monitoring Vt, MV, Freq, Ppeak, Pmean, Pplat, DP, SI, FiO₂, FiCO₂, EtCO₂, PEEP, Battery status display, etc.

Screen 18.5" TFT color touch screen

Graph display Waveforms of P-t, F-t, V-t, EEG, Agent, CO₂; loops of P-V, V-F, P-F, V-CO₂

Alarm Excessive leakage, Low oxygen source pressure, High air source pressure, High airway pressure, Low oxygen concentration, Excessive output tidal volume, High concentration of N₂O inhaled, High concentration of ISO/SEV/ENF/HAL/DES inhaled, Persistent high airway pressure, Bypass mode started(1 minute), Apnea, etc.



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