ANAR-321 Anesthesia Machine



PARAMETER	SPECIFICATION	
Main Body	High-strength engineering plastic rack, light, beautiful and corrosion resistant	
Scope of Application	Adult, child	
Gas Source	O2 0.270.55MPa	
Flow Meter	O2: 0.11.0L/min; 1.110	L/min
Flow Rate of Rapid Supply	2575L/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, one can be chosen for application as required by the customer.	
Respiratory Circuit	Working mode: all-close, semi-close, semi-open Releasing pressure: 0.5-7kPa.	
Respiratory Bellows	Bellows for adults, bellows for children, tidal volume range:0-1500ml	
VENTILATOR		
Display Mode	High-definition 5.7" LCD screen display	
Ventilation Mode	IPPV, MANUAL (Manual monitoring of tidal, volume, ventilation volume, respiratory rate).	
Ventilation Parameters	Tidal volume Rate SIMV rate	501500ml 299bpm 220bpm

	I:E	2:11:8
	Inspiratory trigger pressure	-1.02.0kPa
	Pressure range	1.06.0kPa
Parameters for Ventilation	Tidal volume, ventilation v	olume, IPPV rate, I/E, peak pressure of
Monitoring	airway, inspiratory trigger	pressure, pressure - time waveform.
SECURITY ALARM SYSTEM		
Airway Pressure Alarm	Upper limit setting range	1.06.0kPa;
	Low limit setting range	0.42.0kPa.
Per-minute Ventilation	Upper limit setting range	3.030L/min;
Volume Alarm	Low limit setting range	1.010L/min.
Sustained High-pressure	It will give alarm when stre	ess have consistently been higher than 2.5
Alarm	kPa	
Suffocation Alarm	It will give sound and light	alarm if there is no tidal volume input in 15s
POWER ALARM		
Power	AC 220V±10% 50Hz±1	Hz

ANAR-322 Anesthesia Machine



PARAMETER	SPECIFICATION
Main Body	High-strength engineering plastic rack, light, beautiful and corrosion resistant
Scope of Application	Adult, child
Gas Source	O2: 0.270.55Mpa; N2O: 0.270.55MPa.
Flow Meter	O2: 0.110L/min; N2O: 0.110L/min
O2, N2O Linkage and N2O Stopper	When using nitrous oxide, oxygen concentration>25%; When the oxygen pressure < 0.2MPa, the flow of nitrous oxide would be cut off.
Flow Rate of Rapid Oxygen Supply	2575L/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, one 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; Releasing pressure: 0.5-7kPa.
Respiratory Bellows	Bellows for adults, bellows for children, tidal volume range 0-1500ml

VENTILATOR		
Display Mode	High-definition 5.7" LCD screen display	
Ventilation Mode	IPPV, SIPPV, SIMV, PEE, MANUAL, SIGH	
Ventilation Parameters	Tidal volume	501500ml
	Rate	299bpm
	SIMV rate	220bpm
	I:E	2:11:8
	Inspiratory trigger pressure	-1.02.0kPa
	PEEP	02.0kPa
	Pressure range	1.06.0kPa
	SIGH	1.5 times the inspiratory time
Parameters for Ventilation		olume, IPPV rate, SIMV rate, total respiratory
Monitoring	·	fairway, pressure - time waveform, flow rate -
	time waveform, PEEP, ins	piratory trigger pressure.
Monitoring of Oxygen	(21%100%)	
Concentration		
SECURITY ALARM SYSTEM		
Oxygen Concentration	Upper limit setting range	(50%100%)
alarm	Low limit setting range	(15%50%)
Airway pressure alarm	Upper limit setting range	1.06.0kPa;
	Low limit setting range	0.42.0kPa.
Per-minute ventilation	Upper limit setting range	·
volume alarm	Low limit setting range	1.010L/min.
Sustained high-pressure	It will give alarm when stress have consistently been higher than 2.5	
alarm	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 $\pm$ 10%, 50Hz $\pm$ 1	Hz, (Storage battery, UPS)
Note: Items within brackets are optional.		

## **ANAR-323**



PARAMETER	SPECIFICATION
Main Body	High-strength engineering plastic rack, light, beautiful and corrosion resistant
Scope of Application	Adult, child
Gas Source	O2: 0.270.55Mpa; N2O: 0.270.55MPa.
Flow Meter	O2: 0.11.0L/min; 1.110L/min N20: 0.11.0L/min; 1.110L/min
O2, N2O Linkage and N2O Stopper	When using nitrous oxide, oxygen concentration>25%; When the oxygen pressure < 0.2 MPa, the flow of nitrous oxide would be cut off.
Flow Rate of Rapid Oxygen Supply	2575L/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, one 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; Releasing pressure: 0.5-7kPa.		
Respiratory Bellows	Bellows for adults, bellows for children, tidal volume range:0-1500 ml.		
VENTILATOR			
Display Mode	10.4" Touch Screen, High-definition TFT color LCD.		
Ventilation Mode	IPPV, SIPPV, SIMV, PEE	EP, MANUAL, SIGH (IMV, VCV, PCV)	
Ventilation Parameters	Tidal volume	501500ml	
	Rate	199bpm	
	SIMV rate	220bpm	
	I:E	2:11:8 (4:11:8)	
	Inspiratory trigger pressure	-1.02.0kPa	
	PEEP	02.0kPa	
	Pressure range	1.06.0kPa	
	SIGH 1.5 time	s the inspiratory time (70-150 adjustable)	
	Inspiratory platform	050%	
Parameters for Ventilation	Tidal volume, ventilation volume, IPPV rate, SIMV rate, total		
Monitoring	respiratory rate, I/E, peak	pressure of airway, pressure - time	
	waveform, flow rate – time waveform, PEEP, inspiratory trigger pressure, Inspiratory platform (autonomous inspiratory rate, lung compliance, airway resistance,		
	flow-volume loop, pressur	re-volume loop)	
Monitoring of Oxygen	21%100%		
Concentration			
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	0.36.0kPa;	
	Low limit setting range	0.25.0kPa.	
Per-minute Ventilation	Upper limit setting range	3.030L/min;	
Volume Alarm	Low limit setting range	1.010L/min.	
Sustained High-pressure	· ·	ess have consistently been higher than 2.5	
Alarm	kPa		
Suffocation Alarm	It will give sound and light seconds	alarm if there is no tidal volume input for 15	
POWER ALARM			
Power	AC 220V $\pm$ 10%, 50Hz $\pm$ 1	Hz, (Storage battery, UPS)	
Mechanical Arms (End-expiratory CO2 monitoring)			
Note: Items within brackets are optional.			

**ANAR-324** 



PARAMETER	SPECIFICATION
Main Body	High-strength engineering plastic rack, light, beautiful and corrosion resistant
Scope of Application	Adult, child
Gas Source	O2: 0.270.55Mpa; N2O: 0.270.55MPa.
Flow Meter	O2: 0.11.0L/min; 1.110L/min N20: 0.11.0L/min; 1.110L/min
O2, N2O Linkage and N2O 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	2575L/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: 0.5-7kPa.
Respiratory Bellows	Bellows for adults, bellows for children, tidal volume range:0-1500 ml.

VENTILATOR			
Display Mode	High-definition 5.7" LCD screen display		
Ventilation Mode	IPPV, SIPPV, SIMV, PEEP, MANUAL, SIGH.		
Ventilation Parameters	Tidal volume	501500ml	
	Rate	299bpm	
	SIMV rate	220bpm	
	I:E	2:11:8	
	Inspiratory trigger pressure	-1.02.0 kPa	
	PEEP	02.0 kPa	
	Pressure range	1.06.0 kPa	
	SIGH	1.5 times the inspiratory time	
Parameters for Ventilation	Tidal volume, ventilation v	volume, IPPV rate, SIMV rate, total	
Monitoring	respiratory rate, I/E, peak	pressure of airway, pressure - time	
	waveform, flow rate - time	e waveform, PEEP, inspiratory trigger	
	pressure.		
Monitoring of Oxygen	(21%100%)		
Concentration			
SECURITY ALARM SYSTEM			
Oxygen Concentration Alarm	Upper limit setting range	(50%100%);	
	Low limit setting range	(15%50%)	
Airway Pressure Alarm	Upper limit setting range	· · · · · · · · · · · · · · · · · · ·	
	Low limit setting range	0.42.0 kPa.	
Per-minute Ventilation	Upper limit setting range		
Volume Alarm	Low limit setting range	1.010L/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	OWER ALARM		
Power	AC 220V±10%, 50Hz±1Hz, (Storage battery, UPS)		
Mechanical Arms (End-expiratory CO2 monitoring)			
Note: Items within brackets are optional.			

**ANAR-325** 



PARAMETER	SPECIFICATION
Main Body	High-strength engineering plastic rack, light, beautiful and corrosion resistant
Scope of Application	Adult, child
Gas Source	O2: 0.270.55Mpa; N2O: 0.270.55MPa.
Flow Meter	O2: 0.11.0L/min; 1.110L/min N20: 0.11.0L/min; 1.110L/min Air: 0.110L/min
O2, N2O Linkage and N2O 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	2575L/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, one 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: 0.5-7kPa

Respiratory Bellows	Bellows for adults, tidal volume range:01500ml; Bellows for children, tidal volume range:0-300ml. Anyone can be chosen for application as required by the customer	
VENTILATOR		
Display Mode	10.4" Touch Screen, Hig	h-definition TFT color LCD
Ventilation Mode	·	P, MANUAL, SIGH, IMV, VCV, PCV
Ventilation Parameters	Tidal volume	201500ml
	Rate	199bpm
	SIMV rate	220bpm
	I:E	4:11:8
	Inspiratory trigger pressure	-1.02.0kPa
	PEEP	02.0kPa
	Pressure range	1.06.0kPa
	SIGH 1.5 time	s the inspiratory time, 70-150 adjustable
	Inspiratory platform	050%
Parameters for Ventilation	Tidal volume, ventilation volume, IPPV rate, SIMV rate, total	
Monitoring	respiratory rate, I/E, peak	pressure of airway, average pressure,
	pressure - time waveform, flow rate - time waveform, PEEP,	
	inspiratory trigger pressur	e, Inspiratory platform, autonomous
	inspiratory rate, lung comp	oliance, airway resistance, flow-volume
	loop, pressure-volume loo	р
Monitoring of Oxygen	21%100%	
Concentration		
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	0.36.0 kPa;
	Low limit setting range	0.25.0 kPa.
Per-minute Ventilation	Upper limit setting range	3.030L/min;
Volume Alarm	Low limit setting range	1.010L/min.
Sustained High-pressure Alarm	It will give alarm when stre	ess have consistently been higher than 2.5
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±1	Hz, Storage battery (UPS)
Mechanical Arms (End-expirate	ory CO2 monitoring)	
Note: Items within brackets are	optional.	

(Including M-9000E Patient Monitor)

**ANAR-325B** 



PARAMETER	SPECIFICATION
Main Body	High-strength engineering plastic rack, light, beautiful and corrosion resistant
Scope of Application	Adult, child
Gas Source	O2: 0.270.55Mpa; N2O: 0.270.55MPa.
Flow Meter	O2: 0.11.0L/min; 1.110L/min N20: 0.11.0L/min; 1.110L/min Air: 0.110L/min
O2, N2O Linkage and N2O 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	2575L/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, one 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: 0.5-7kPa
Respiratory Bellows	Bellows for adults, tidal volume range:01500ml;

	Bellows for children, tidal volume range:0-300ml.	
	Anyone can be chosen for	r 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	201500ml
	Rate	199bpm
	SIMV rate	220bpm
	I:E	4:11:8
	Inspiratory trigger pressure	-1.02.0kPa
	PEEP	02.0kPa
	Pressure range	1.06.0kPa
	SIGH 1.5 times	s the inspiratory time, 70-150 adjustable
	Inspiratory platform	050%
Parameters for Ventilation	Tidal volume, ventilation v	olume, IPPV rate, SIMV rate, total
Monitoring	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 loo	p
Monitoring of Oxygen	21%100%	
Concentration		
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	0.36.0 kPa;
	Low limit setting range	0.25.0 kPa.
Per-minute Ventilation	Upper limit setting range	3.030L/min;
Volume Alarm	Low limit setting range	1.010L/min.
Sustained High-pressure	It will give alarm when stress have consistently been higher than 2.5	
Alarm	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±1	Hz, Storage battery (UPS)
Mechanical Arms (End-expirato	ory CO2 monitoring)	
Note: Items within brackets are	optional.	
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#### **M-9000E Patient Monitor**

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

# AR-902P Portable Anesthesia Machine



#### Introduction

This is the first manual, light-weight, compact, portable Anesthesia Machine specifically designed for surgical locations where space or access is limited, such as:

- Office Based Anesthesia (OBA)
- · Dental anesthesia
- · Missionary off-shore anesthesia
- · Remote locations in hospitals outside O.R.
- · Disaster scenes and mass casualty incidents
- Front-line military hospitals
- · Shipboard, aircraft

Any location where size, mobility and portability are important.

#### **Technical Parameter**

- 1. Working mode: Manual
- 2. Patient scope: from Pediatric to Adult (3kgs over)
- 3. Tidal volume: 20-1500ml
- 4. Working pressure: O2:0.3—0.4Mpa, N2O:0.3—0.4Mpa
- 5. Flowmeters: 2 tube 2 gas flowmeter; O2 range: 0.1-10L/min, N2O range: 0.1-10L/min.
- 6. O2 and N2O linkage device (ORC system), FiO2 ≥25%
- 7. APL valve adjustment range: 0.5-6.0Kpa
- 8. O2 Flush: 30-60L/min

#### **Standard Configuration**

- Main Unit
- Vaporizer; universal standard with 2 models optional. Agent type; include: Halothane, Isoflurane, Enflurane and Sevoflurane.
- Standard Accessories of breathing tubes for connecting and Mask etc.
- In-built Co2 absorber Canister with capacity of 2kg.







