

FMD6100A

Anesthesia System

ADULT · PEDIATRIC · VETERINARY



Application

The Anesthesia machine makes a good performance in Intensive Care Units (ICU), Operation room, Anesthesiology Department and other departments. FMD6100A is designed for ease of use, incorporating basic function and the maximum patient safety in daily anesthesia practice. Professional design for adult, child and infant inhalation anesthesia and respiratory management, with advanced ventilation mode. Combine proven ventilation technology with the latest refinements in ergonomics and systems integration with an advanced, easy to use anes anesthesia workflow.

Trust point

- Providing customers with high quality and cost-effective anesthesia machine.
- We listen to our customers and integrate their insights in our machine development. Flexible configurations to suit customers' needs.
- Countless feedback from customers give good reviews. Real time pressure-time, flow-time loop Oscillogram and high precision
- O2 concentration detection function included.

Feature

- 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, flow-time oscillogram show in real time.
- Vital sign monitor and Anesthetic gas monitor are optional.
- ACGO and fast oxygen supply – Emergency use and revival after operation.

TECHNICAL SPECIFICATION

Ventilation mode

IPPV, A/C, SIMV, SIGH, MANUAL

Ventilator parameter range

| | |
|---------------------------------------|--|
| Flowmeter | O ₂ (0 ~ 10 L/min) N ₂ O (0 ~ 10 L/min) |
| Rapid oxygen supply | 25 L/min ~ 75 L/min |
| Tidal volume(Vt) | 0, 20 mL ~ 1500 mL |
| MV | ≥18 L/min |
| Frequency (Freq) | 1 /min ~ 100 /min |
| I:E | 2:1 (1:0.5) ~ 1:6 |
| PEEP | 0 cmH ₂ O ~ 30 cmH ₂ O |
| Pressure triggering sensitivity (PTr) | -20 cmH ₂ O ~ 20 cmH ₂ O (Based on PEEP :-20 cmH ₂ O ~ 0 cmH ₂ O) |
| Flow trigger sensitivity (FTr) | 0.5 L/min ~ 30 L/min |
| SIGH | 0 (off) 1/100 ~ 5/100 |
| Apnea ventilation | OFF, 5 s ~ 60 s |
| Pressure limit | 20 cmH ₂ O ~ 100 cmH ₂ O |

Oscillogram

P-T (pressure-time)
F-T (flow-time)
P-V loop (pressure-volume loop)

Wooden case packing size

Wooden case packing size : L 790 * W 740 * H 1460 mm
G.W. : 103 KG N.W. : 76 KG

Alarm and protection

| | |
|---|---|
| The AC power failure alarm | Power failure or no connection |
| Internal battery backup low voltage alarm | < 11.3 ± 0.3 V |
| No tidal volume | ≤ 5 mL within 6 s |
| High oxygen concentration alarm | 19 % ~ 100 % |
| Low oxygen concentration alarm | 18 % ~ 99 % |
| High airway pressure alarm | 20 cmH ₂ O ~ 100 cmH ₂ O |
| Low airway pressure alarm | 0 cmH ₂ O ~ 20 cmH ₂ 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 16 s |
| Suffocation warning | 5 s ~ 60 s no spontaneous ventilation |
| The maximum limited pressure | < 12.5 kPa |
| Fan error | Show on screen |
| Oxygen deficit | Show on screen |

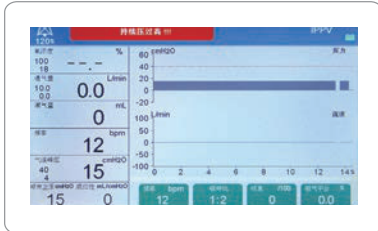
Working condition

| | |
|-----------------|-----------------------------------|
| Gas source | O ₂ , N ₂ O |
| Pressure | 280 kPa ~ 600 kPa |
| Voltage | 100 ~ 240 V |
| Power frequency | 50/60 Hz |

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 % |

7" TFT screen



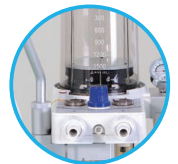
Safety

- Three level alarm system, visual and sound alarm information.
- With multiple type of alarm, reminder and protection functions.
- Advanced power management control technology.
- Low O₂ pressure alarm and N₂O cut-off protection.

Flowmeter



Bellow APL valve



Vaporizer



Pressure gauge



Breathing circuit



Other models for your reference The picture is for reference only. For more information, please contact FAMED SAĞLIK TIBBİ CİHAZLAR sales representatives.



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