

# Anithera 8



## Products made in the opinion of the physician

- ▶ The ventilation mode is for PC-SIMV only. Operable for respiratory care for animals ranging from micro-sized animals to large dogs.
- ▶ Easily accessed to any kinds of anesthesia machines. Capable to support various kinds of breathing circuits.

# Ease of Use

The mode settings feature a simple design to prevent malfunctions.

# Safety of Use

When a patient's spontaneous breathing stops, the machine will back up using the pre-set breath rate and inspiration time.



## PC-SIMV

Pressure Control Ventilation Synchronized Intermittent Mandatory Ventilation

While controlling the lung pressure of the animal patient, ventilation is performed, and adjustment of spontaneous respiration and mechanical ventilation eases the breathing of the patient. It is the gentlest respiratory mode for animal patients.



# Apnea Mode

While in apnea mode, when the device detects apnea, backup ventilation automatically starts operation. When spontaneous respiration returns, the back-up ventilation stops.



# The Battery Lasts for 2 Hours

In the event of a power failure or during transport to a hospital, the device can be continuously used for up to two hours using the battery.



# Set Inspiratory Time

According to the respiratory cycle of small animals, the inspiratory time can be finely adjusted from 0.2 seconds to 3.0 seconds.

# Simple Design

The design places a focus on operability and safety. It is possible to reliably perform respiratory management with confidence.

# Color Variations



black



yellow

- Can be connected to anesthesia machines made by other makers.







# Animal-friendly and animal-dedicated artificial respirator 「ANITHERA8」

「ANITHERA8」 is a newly coined word by connecting the words **Animal** and **Therapy**, meaning treating and curing surgery for animals. 「ANITHERA8」 is an animal-friendly and animal-dedicated artificial respirator and an ideal artificial respirator capable of controlling respiration safely and securely during anesthesia.

- Respiratory control is fully covered by setting various ventilation conditions to PCV mode which is safer for small animals with PC-SIMV mode equipped with SIMV function.
- The device is designed to sound an alarm at the time of apnea and to start backup ventilation to protect the life of animals treatment.
- Fine setting is available with easy operation, equipped with full alarms and safety mechanism.
- The built-in battery allows min. 2 hours of backup operation.

## The main specifications

### The source a drive

The source of necessary gas, and rated pressure	Oxygen for medical care, or compressed air 0.4±0.05Mpa
A necessary power supply and rated voltage	AC power supply : AC100 ~ 240V, 50/60Hz
	Internal battery : DC12V

### Setting ventilation conditions, etc

Ventilation mode	PC-SIMV
Ventilation frequency	0 ~ 60 frequency/minute
Inspiration time	0.2 ~ 3.0 second
Tidal volume	50 ~ 1500ml
Operation value when the air intake time and demand flow are set at the minimum and maximum	15 ~ 30L/min (The time of a high flow : Biggest 30L/min)
PCV Pressure	5 ~ 30hpa±10%
Trigger sensitivity	-9 ~ +20hpa±10%
Setting of the lower alarm limit value for the airway pressure	1 ~ 40hpa variable, The set value is displayed by lighting segments on the bar graph of the airway pressure
Setting of the upper alarm limit value for the airway pressure	5 ~ 70hpa variable, The set value is displayed by lighting segments on the bar graph of the airway pressure
Function key	The asterisk (*) switch (Operating this key together with other keys calls the extension function)

## Alarm and a security apparatus

The pressure minimum in a respiratory tract	Minimum pressure setting range : 1 ~ 40hpa, Visible and audible alarm
The pressure maximum in a respiratory tract	Maximum pressure setting range : 5 ~ 70hpa, Visible and audible alarm Equipped with an inspiratory pressure limit
Supply-gas pressure fall	Visible and audible alarm when the supply-gas pressure fell under 300kpa
Apnea alarm	Apnea standby time is set to 15 seconds at the time of shipment (default setting) Visible and audible when neither mechanical ventilation nor spontaneous breathing is detected during the apnea standby time Settable standby time : 15, 20, 25 and 30 seconds
Apnea backup ventilation	When an apnea alarm goes off, respiratory motions start with the backup ventilation frequency with a respiratory time of 1.0 second 2seconds after the alarm When the apnea alarm is cancelled upon the start of the respiration or the change of the setting, the apnea backup is finished
AC power supply interception	When the supply of AC100V is interrupted, visible and audible alarm goes off When the use of a battery is selected, the alarm sound is stopped by pressing the silencing key for 3 seconds or longer.
Battery falling off	Visible and audible, when the remaining amount is reduced to 1/2 and 1/3 of the possible backup time
Alarm silence / volume	Each alarm can be silenced for 2 minutes (Alarm stops only when the AC power interruption alarm goes off) The device is equipped with automatic return function The sound level can be adjusted by the *key switch and the silencing key switch
CPU monitoring function	Watch dog timer
Internal battery time	Backup is possible more than 2 hour
Overpressure safety valve	It relieves the pressure to the air when the pressure increases more than 50hpa in a respiratory tract

## Indication · Others

Power supply switch	Lighted push-button switch with guard barrier
Airway pressure meter	-10 ~ +70hpa Burr graphical representation
start / standby switch	ON/OFF switched to operate/stop
Operation accepting sound / Setting error sound	The operation state is displayed by the switch operation accepting sound and setting error sound

## Size · Weight

Body size · Weight	size : 225(W)×137(H)×180(D) (A salient part is excluded.)
	Weight : 5.0Kg

## Others

Approval number	農林水産省指令26勅薬第2253号
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