



## ACESO ANESTHESIA MACHINE

TECHNICAL SPECIFICAT	TIONS	
Dimensions Of the O	Complete Machine	
Size	773.5mm*1370mm*598mm	
Weight	90kg (standard configuration) (without anaesthesia evaporator and gas cylinder)	
Top Plate		
Maximum supporting capacity	Maximum load-bearing of top plate is350kg	
Operational dimensions	508mm*235mm	
Workbench		
Maximum supporting capacity	Maximum supporting capacity of workbench is 20kg	
Operational dimensions	465mm*275mm	
Handrail		
Length dimension	412mm	
Drawers		
Drawers	416mm*395mm*170mm	
Gas-Bag Sway Brace		
Size	Length: 320mm Height: 240mm	
Caster Wheels		
Caster wheel	4 wheels 5 inch,	
Display Screen		
Туре	TFT LCD, allowing touch control	
Size	8.4 inch	
Resolution	800×600 pixels	
Features		
Anesthesia process	Open, semi closed, closed circuit,	
Patients	Designed for adult, pediatric and neonate	

Interface	All interfaces for setting measurement included, RS 232, RJ-45 interface, USB port		
Mode	Standby mode available		
Compliance	Compliance Correction		
Configuation	Possibility of configuration observation		
Monitoring	Include monitoring function according EN-740		
1501 1501 FA 150 150 150 150 150 150 150 150 150 150			
Ventilator Specificati Ventilation Modes	OIIS		
Volume-Controlled Ventila	ation(VCV/VC) with tidal volume compensation		
Pressure Control Ventilatio	n (PCV/VPC)		
Synchronized Intermite pressure),(SIMV-VC,SIMV	tent Mandatory Ventilation (SIMV/VACI ) (volume and		
Pressure Regulated Volume	e Control (PRVC)		
Pressure Support Ventilation	on(PSV)		
Manual and automatic vent	ilation		
Ventilation principle	Chronometric, volumetric and barometric		
Ventilation	Electronically controlled electrically or pneumatically driven		
Ventilation Parameter	Ranges		
Monitoring parameter	Tidal volume, Inspiratory, expiratory flow, minute volume, frequency pressure(Pmean, Pplat, Ppeak), Oxygen, CO2, N2O and halogenated expiratory concentration, Pressure, oxygen, CO2, N2O and Halogen numerical values pressure, volume and flow curve, compliance and patient resistance		
Tidal volume range	15~1500 ml		
Incremental settings	20~100ml (increments of 5 ml)		
moremental settings	100~300 ml(increments of 10 ml)		
	Comparation of the Comparation o		
	300 ~1500 ml (increments of 25 ml) 5~70 cmH2O		
Pressure (inspired) range	increments of 1 cmH2O		
Pressure (limit) range	10~100 cmH2O		
	increments of 1 cmH2O		
	3 to 60 cmH2O		
Pressure (support) range	increments of 1cmH2O		
Rate range	4~100 bpm		
	increments of 1 bpm ( VCV, PCV )		
	4~60 bpm		
	increments of 1 bpm (SIMV, PSV)		
Inspiratory/Expiratory	4:1~1:10 adjustable		
ratio (I:E) range	increments of 0.5 ( VCV, PCV )		
Trigger	0.5 to 15 1/min		

Frequency	4 to 100 C / min minimum		
Positive End Expirato	ry Pressure (PEEP)		
Туре	Integrated, electronically controlled		
Range	OFF, 4~30 cmH2O		
	increments of 1 cmH2O		
Ventilator Performan	ce		
Pressure range at inlet	0.28~0.6 MPa		
Peak gas flow	100 L/min plus fresh gas		
Flow valve range	1 to 100 L/min		
Flow compensation rage	200 mL/min to 15 L/min		
Ventilator Monitoring	3		
MV(Per-minute ventilation amount)	0~100 L/Min		
TV(Inspiratory and expiratory tidal volume)	0-2500mL		
FiO2(Oxygen concentration)	18~100%		
Ppeak(Gas channel pressure Paw)	-20~120 cmH₂O		
Pmean(Mean pressure)	-20~120 cmH <sub>2</sub> O		
Pplat(Mean pressure)	0~120 cmH <sub>2</sub> O		
I:E(Inspiratory- expiratory ratio)	4:1~1:12		
Freq(Respiratory rate)	0~120 bpm		
Compl(Compliance)	0~250mL/cmH <sub>2</sub> O		
Raw	0~500 cmH <sub>2</sub> O/(s/L)		
Performance Of Vent	ilator		
Driving pressure			
Inspiratory flow	280~600 kPa  Maximum inspiratory flow shall not be smaller than 120L/min when gas supply pressure is 280KPa.		
Range of flow valve	3–100 L/min		
Pressure limitation controlling means for ventilator	Controlled by the electronic relief valve fitted inside the ventilator;     Controlled by the mechanical relief valve fitted inside the ventilator.		
Ventilator Accuracy			
TV	<75 ml: ±10ml; ≥ 75mL, < 1500 mL: ±20mL or ±10% of set value, whichever is the greater.		
PCV	Inspiratory pressure: $\pm 3.0 \text{ cmH}_2\text{O}$ or $\pm 8\%$ or set value, whichever the greater. Limiting pressure: $\pm 4.0 \text{cmH}_2\text{O} \pm 10\%$ of set value, whichever is the greater.		

	End-expiratory positive pressure: OFF: undefined; $3-30 \text{cmH}_2\text{O}$ : $\pm 2.0 \text{cmH}_2\text{O}$ , or set value, whichever is the greater.		
Freq	$\pm 1$ C.P.M. or $\pm 5\%$ of set value, whichever is the greater.		
I:E	2: 1~1: 4: ±10% of set value;Other ranges: undefined.		
Tip:Ti	20%~60%; ±15% of set value; Other ranges: undefined,		
Alarm Settings			
Tidal volume(expiratory)	High: 5~1600 ml		
	Low: 0~1595 ml		
B 90 H2	High: 20~100%		
Inspired oxygen	Low: 18 ~ 98%		
High pressure	2~100cmH2O		
Apnea alarm	30s		
Alarm	Sound and visual alarm with reminder message for disconnection, overpressure. Flow sensor, current Volume, minute volume, FiO2, Frequency, Leakage, machine fault, lack of gas, apnea, patient clogetc		
Alarm access	Easy access by shortcut		
Flowmeters			
Туре	Mechanical or electronic flow meter optional		
N2O range	0 ~10 L/min		
Air range	0 ~10 L/min		
O2 range	0 ~10 L/min		
Proportional device	Equipped with a safety system to ensure an O2 concentration of at least 23%		
Gas Supply			
Pipeline gasses	O2,N2O,AIR		
Standby gas-cylinder gasses	O2,N2O		
Pipeline gas connection	NIST		
Standby cylinder connection	PISS		
Features	Switch easily to the other gas without interrupting the ventilation		
Breathing Circuit Spe	cification		
System Pressure Gau	ige		
Range	Range		
Accuracy	±2.5% full scale		
Adjustable Pressure I	imiting (APL) Valve		
Range	1~75 cm H2O		
Tactile knob indication at	>30 cm H2O		
Accuracy:	±1 0 cm H2O		
and the second s	1 cm H2O		

Breathing Circuit Para	≦4mL/100Pa		
Compliance	# 17 T		
	Automatically compensates for compression loss with in the breathing circuit in mechanical mode		
Volume of CO2 canister	about 1500		
Water Trap	7mL, easy to be disassembled		
Feature	Heated at 134 degree, removable, easy to dismantle and sterilize		
Gas Monitoring			
Carbon Dioxide (CO2	) Modules		
Туре	Mainstream ETCO2, Side stream ETCO2		
Method	Infrared absorption		
Module type	Phasin side -stream and mainstream		
Display	Numerics and curve displayed in screen		
Alarm delay	1~10s (step size: 1s)		
Sweep	6.25 mm/s, 12.5 mm/s		
Anesthestic Agent (AC	6) Module		
Maximum sound pressure	79dB		
for low alarm	79dB		
Measurement mode	Side stream		
Module type	Phasin ISA AG module		
Accuracy	±10ml/min or ±10%, whichever is greater		
Monitored parameters	CO2, N2O, AA, MAC, Paramagnatic O2 and BIS		
Active AGSS			
High flow, low vacuum			
Applies with ISO 8835-3:19	97		
Flow of suction: 50-80L/min	1		
Resistance: 0.75KPa ,75L/m	in		
Filter: Stainless steel reseau	with 140-150μm of diameter		
Power and Battery Ba	ckup		
Battery backup	120 mins		
Battery tye	Build-in Li-ion batter y, 11.1 VDC, 4400 mAh		
Charge time	Approximately 8 hours (in running status or standby mode)		
Power	4 electrical outlets minimum 220V		
Gas Supply			
Pipeline gasses	O2,N2O,AIR		
Standby gas-cylinder	02 N2O		
gasses	O2,N2O		
Pipeline gas connection	NIST		
Standby cylinder	DICC		
connection	PISS		
ACGO			
Connector	Taper coaxial fitting of 22mm (outside) and 15 (inside)		
Backpressure generated at the rear end of anaesthesia	Not greater than 2kPa		

vaporizer and the front-en of ACGO during quic oxygen charging			
Flush O2	-		
100% fast oxygen			
Vaporizator			
Brand	AT	ATESE available	
Locking	1 20000	Two vaporizer with interlocking system	
Automatic recongnition	And	ethesia machine able to automatic recognize ogenated gases	
Power (no isolation External AC Power S	A STATE OF THE PARTY OF THE PAR		
Input voltage	100 to 240 V/100 to 120 V		
Input current	8.5 to 3.5 A/8.5 A		
Input frequency	50/60 Hz		
Leakage current	< 500μΑ		
Auxiliary Output Sup	ply		
Output voltage	100 to 240 V/ 100 to 120 V		
Output frequency	50/60 Hz		
Power (with isolation External AC Power S	The state of the s		
Input voltage	100 to 120 V/220 to 240 V		
Input current	8.5/ 3.5 A		
Input frequency	50/60 Hz		
Leakage current	< 500μA		
Auxiliary Output Sup	ply		
Output voltage	100 to 120 V/ 220 to 240 V		
Output frequency	50/60 Hz		
Principal Machine			
WorkTemperature (°C)	10~40		
Relative humidity (Non-condensation)	15%~95%		
Atmospheric pressure (kPa)	70~106		

Specifications subject to change without notice