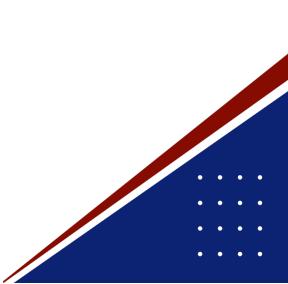


# ANESTHESIA MACHINE HARMONY





### Model No. HARMONY ELK-832 T

Use:

Designed for, and suitable for, use in hospital settings with limited resources or in any field or outreach location and is suitable for adult and pediatric patients.

A very thought fully designed machine which is designed and custom-made solution to provide the Doctor confidence and ability to Administer Anesthesia in most Difficult situation with limited Resources of:

Oxygen Electricity Long ventilation Patient Monitoring system Integrated Manual Ventilation all in one in the same machine.

Elektro Harmony has been the most sought-after machine for places away from the easily available Utitlites, Medical Camps, Medical Aid, Emergency medical situations

Physical Specification		
Dimensions and Weight		
Height	1336mm	
Width	974mm	
Depth	6344mm	
Weight	130kg	
Top Shelf		
Weight Limit	30kg	
Width	585mm	
Depth	340mm	
Brake System		
Caster with brake	4 anti-static Caster with 2 brakes	
Screen		
Display Type	10.4 inch TFT LCD	
Timer	Display on screen timer	
Spirometry Loops	Pressure vs Volume, Flow vs Volume, Flow vs	
	Pressure	
Screen Control	Touch screen/mouse control	

LED Indication		
AC Power LED	One (green; lit when connected to the power	
	source)	
Battery LED	One (yellow; lit when charging the battery, turns	
	off when fully charged)	
Alarm Lamp	One (red for high priority alarm, yellow for	
	medium priority alarm, and blue for low priority	
	alarm)	
Audio Indication		
Alarm	Alarm sound and key prompt sound support	
	multi-level volume functions; the alarm sound	
	meets the requirements of the IEC 60601-1-8	
	standard	
Interface		
Power supply	One AC main inlet, 3 auxiliary electrical outlets	
Communicate	One RS232 interface	
Ventilator Specifications	k	
I:E	10:1 to 1:10	
Monitoring Accuracy	<u>_</u>	
Tidal Volume (Vt)	± (10mL + 10% of the reading)	
PEEP	± (2cmH2O or ± 4% of the reading)	
Rate	± 1 time/minute, or ± 10% of the monitoring	
	value, whichever is greater	
MV	± (1L/min + 15% of the monitoring value)	
I:E	The inspiratory/expiratory ratio is expressed as I:	
	E, within the range of 10.0:1 to 1.5:1, the error is	
	$\pm$ 15% of I; Within the range of 1:1 to 1:10, the	
	error is ± 15% of E.	
Alarm Setting		
FiO2 high	21%-100%	
FiO2 low	18%-99%	

Paw high	2-97 cmH2O	
Paw low	1-96 cmH2O	
Vte high	20-1500 ml	
Vte low	OFF,(10-1490) ml	
MV high	0.5-30L/min	
MV low	0~10 L/min	
Rate high	4-99 /min	
Rate low	2-98 /min	
Apnea alarm	Adjustment range is 15s to 40s, and the error is ± 2s	
Modes of Ventilation		
Manual/Spontaneous Ventilation/Bypass VCV 、 PCV.MAN		
Ventilation Parameters Range		
Patient type	Adult, Pediatric	
Tidal volume	10-1500mL(increments of 10 mL)	
Pinsp	5-70cmH2O (increments of 1 cmH2O)	
Plimit	10-100cmH2O (increments of 1 cmH2O)	
Respiration Rate	4-100bpm(increments of 1 bpm)	
I:E	10:1-1:10 (increments of 0.5)	
Tpause	0% - 60% (increments of 1%)	
Tslope	0.0 - 2.0 s (increments of 0.1 s)	
Ventilator Performance		
Driving pressure	280 kPa to 600 kPa	
Flow valve range	V'max. 100 L/min	
Monitoring Parameters		
Minute volume	0-30L/min	
Tidal volume	0-2000mL	
Inspired oxygen (FiO2)	18% to100%	
Rate	0-100bpm	
PEEP	0-60cmH2O	
I:E	10:1-1:10	

Control Accuracy		
Tidal volume(Vt)	20-1500: ±(10mL + 10% of the set value)	
Pinsp	± (2cmH2O or ± 4% of the set value)	
Plimit	± (2cmH2O or ± 4% of the set value)	
PEEP	± (2cmH2O or ± 4% of the set value)	
Rate	± 1 time/minute, or ± 10% of the set value,	
	whichever is greater.	
Pipeline Supply		
Gas type	O2, N2O and Air	
Pipeline input range	280 to 600 kPa (40 to 87 psi)	
Pipeline connections	DISS/NIST	
Main Electrical Power		
Power input	AC100-240V,Frequency 50/60Hz,6A	
Battery Power		
Туре	Built-in Li-ion cel 14.4 VDC 6600mAh (Single)	
Serving Time	1 cells 120 minutes (new and fully charged)	
Charging Time	Less than 8 hours	
Backup	Up to 2 hours	
Environmental Specifications		
O2 concentration	Up to 90% O2 at 5L/min	
Range	18% to 100%	
Accuracy	± (2.5%volume percentage+2.5%of gas	
	concentration)	
Volume	0.5L to 10L / min	
Breathing system connectors		
Operating		
Temperature	10°C~40°C	
Relative Humidity	15%-95%, non-condensing	
Barometric (Kpa)	70kPa-106.7kPa	
Storage		
Temperature	-20°C~55°C	

Relative Humidity	10%-95%, non-condensing	
Barometric (Kpa)	50kPa-106.7kPa	
Interface		
Communication Port		
Power supply	One AC main inlet, 3 auxiliary electrical outlets	
Communicate	One RS232 interface	
Data Storage		
Patient types	Adult, Child and Infant for each Configuration	
Log Storage	1000 sets	
Total flow range	0L/min ~ 15L/min	

### Features

- 1 complete anesthesia trolley with 1 O2 supply tubing
- 1 Support Selecta Tec type
- 1 Halothane Vaporizer
- 1 3-way valve
- 1 supporting arm
- 1 Glass flow rotameters accurate to +/- 2.5%
- 1 set of connections for cylinder, pipeline, and portable oxygen sources
- 1 O2 monitor
- 1 monitor for respiratory parameters
- 1 ventilator
- 1 Oxygen concentrator
- 2 medium oxygen cylinders, mounted on anesthesia trolley
- 1 integrated UPS
- 1 instrument tray
- 1 monitor tray

### Alarms

Volume, pressure, breathing, circuit disconnect

## **No. 7/24 Stebondale Street, London, United Kingdom** Authorized Distributor: Goldengate Holdings Limited Dubai, U.A.E

- www.elektrogenesis.com
  mea@elektrogenesis.com
- +971 58 912 1046 | +971 56 779 7033

# Accessories

Adult patient circuits autoclavable, Child patient circuits autoclavable, Anesthesia masks (S,M,L) autoclavable

# Consumables

50 air filters (patient circuit)







