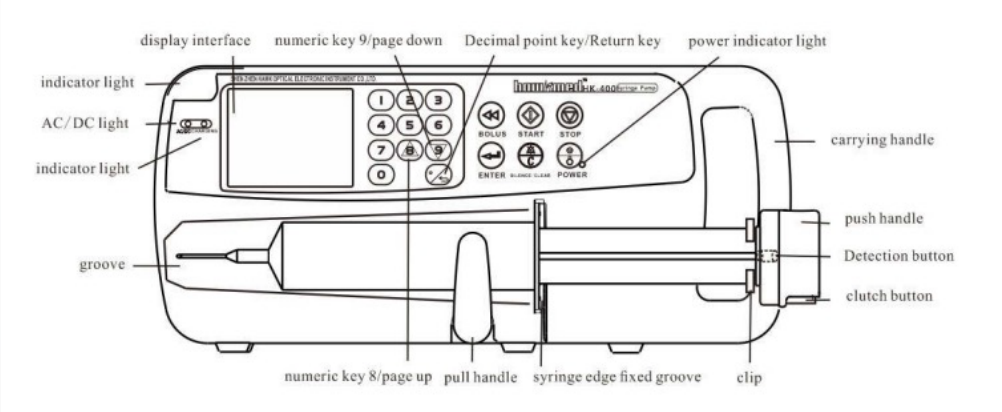
TEM SEGA
One touch device

Syringe pump

Syringe pump



BOLUS button	In the stop state, press and hold the bolus button, the pump begins pumping. After releasing your finger, the pump stops. During operation, press and hold the bolus button, the pump starts the bolus. (The bolus rate is preset by the user.) Release your finger, the bolus infusion stops, and the pump continues its infusion at the initial rate.
START button	In the stop state, press this key to start the infusion.
STOP button	Press this button to stop the infusion.
SILENCE /CLEAR button	Appuyez sur cette touche pour arrêter le signal d'alarme. 2 Effacer la valeur lors de la saisie des paramètres

TEMSEGA : your designer-manufacturer for all-in-one animal anesthesia solutions.

Since 1992, TEM SEGA is the leading manufacturer in Europe of gaseous anesthesia devices for veterinarian purpose. Our device can be customized to fit many species from mice to horses, and drive all types of labs gas (air, oxygen, CO_2, Nitrogen and toxic gas). Our values are to offer the highest human and animal protection, improve productivity and precision in research labs, propose modularity and flexibility, and comply with ethic guidelines. Our technical team install, train and support everywhere in the world.

*Our equipement are complying with European and US regulation, AAALAC recommendations.

TEMSEGA - 6 rue Eridan, 33160 Saint-Médard-en-Jalles - +33 5 56 32 29 63 - info@temsega.fr

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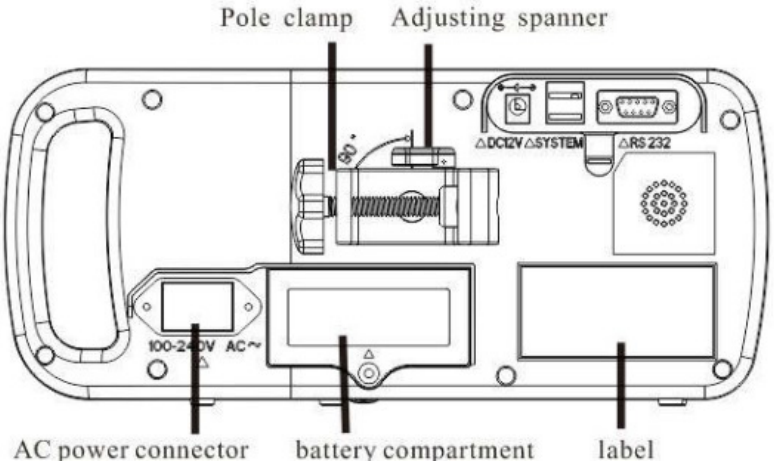
Applicable syringe	Disposable sterile syringes of 5, 10, 20, 30, 50 (60) ml
Volume to be infused (VTBI)	(0-1000) ml
KVO rate	(0.1-2) ml/h, preset by user; default: 0.1ml/h
Vitesse de perfusion	5ml syringe: (0.1-150) ml/h 10ml syringe: (0.1-300) ml/h 20ml syringe: (0.1-600) ml/h 30ml syringe: (0.1-900) ml/h 50ml (60ml) syringe: (0.1-1500) ml/h Infusion accuracy: +2%.
Taux de Infusion ratebolus	5ml syringe: (100-150)ml/h 10 ml syringe: (100-300)ml/h 20 ml syringe: (100-600)ml/h 30 ml syringe: (100-900)ml/h 50ml (60ml) syringe: (100-1500)ml/h
Purge	5ml syringe: 150 ml/h 10ml syringe: 300 ml/h 20ml syringe: 600 ml/h 30ml syringe: 900 ml/h 50 (60ml) syringe: 1500 ml/h
Occlusion pressure	(40.0-160.0) Kpa; 3 levels (adjustable): low, medium, high; default: medium
Waterproof level	IPX3
AC power	100-240V 50/60Hz 50/60HZ
Battery	Li-Polymer 7.4V 1900mAh: Charging time: 10 hours on, 3 hours off. Duration: more than 6 hours at 5ml/h, room temperature 25°C after full charge.
Energy consumption	25VA
Direct current	DC 12V €1.2V ‡1.2V
Fuse	Slow fuse Specification: 250V 2A
Terms of Use	Ambient temperature: 5°C~40°C Relative humidity: 10-95% (without icing) Air pressure: 86kPa~106kPa
Dimensions	300(L)x 130(H)x 125(W, without pole clamp)mm
Net weight	1.8kg

Syringe pump

POWER button	Turn the syringe pump on/off. In stop mode, press this button until the LCD screen appears, indicating that the pump is running. In stop mode or in the event of an alarm, press this button and the pump will turn off.
ENTER key	Make the parameters adjustable or save the new parameter setting
AC/DC indicator light	If lit, it indicates that there is an AC/DC input; if off, it indicates that there is no AC/DC input.
Indicator light	The indicator light indicates operating status and alarm conditions. The green indicator light flashes when the infusion is in normal operation. In the event of a priority alarm, the indicator light should turn red and flash. If a medium-priority alarm occurs during operation, the indicator light should turn yellow and flash. If a low-priority alarm occurs during operation, the indicator light should turn yellow but not flash. * Please refer to Table I in Appendix I for alarm classification priorities.
Charging indicator light	This light comes on to indicate that the battery is charging. If the light is off, the battery is not charging.
Numeric key 8/page up	1. In the numeric input state, you can enter the value 8. 2. In the state selection menu, press this key to turn the page (up).
Numeric key 9/page down	1. In the numeric entry state, you can enter the value 9. 2. In the state selection menu, press this key to turn the page (Page Down).
Decimal key / Return key	1. The decimal point key works in the numeric input state. 2. In the state selection menu, press this key to return to the last command interface.
Display interface	Display Settings/Parameters/Operating Status, etc.
Furrow	Place of installation of the syringe
Pull handle	Used to secure the syringe and prevent it from coming loose.
Fixed groove on the edge of the syringe	Used to secure the rim of the syringe.
Push handle	Press and move the clutch button on the push handle, which drives the screw of the syringe into motion.

Syringe pump

Detection button	To detect if the syringe needle is installed in place.
Clutch button	Pinch the clutch button and move the push handle freely.
Clip	Utiliser pour fixer l'aiguille de la seringue et éviter que l'aiguille de la seringue ne se désengage.



Infusion foot clamp	It is used to attach the syringe pump to the IV stand.
Adjustment key	Pull the adjustment key outward or upward 180°, then rotate the clamp 90° for the horizontal bar or vertical support; then pull the key into place to secure the clamp.
Battery compartment	Battery location.
AC power connector	AC power connector
RS232 port	It is used to connect the syringe pump to a standard PC to transfer infusion history. Note: This process must be performed when the machine is not in infusion mode. The RS232 communication line must use shielded wire.
DC12V input	It can be connected to a DC power supply (12V‡1.2V).
SYSTÈME interface	Used for joint control with other devices in our company.