

USS-100B

Ultrasonic Scalpel System



Product Introduction

HQS Vet advanced ultrasonic knife system can break and denature tissue proteins through high frequency mechanical vibration, which is suitable for fine soft tissue cutting and coagulation. The tool head cuts the tissue with a longitudinal vibration of 40-80um and 55,000 times per second, and generates friction heat within 100R°C for tissue coagulation, which has the advantages of low temperature, low smoke and low thermal damage.

Applicable Surgeries

Veterinary ultrasonic scalpel is suitable for 95% of veterinary surgeries: Hepatobiliary, Head and Neck, Breast, Urinary, Thoracic, Gastrointestinal, Ophthalmic, ENT, Minimally invasive, Sterilization Procedures

Technical Specifications

Parameter	
Frequency of Output	55.5kHz
Peak Power	45W
Cutter Head Diameter	5.5 mm
Cutting Gear Position	Grades 1 to 5
Weight of Generator	2.85 kg
Power Input	220V / 50Hz
Shock Protection Grade	CF-Type / Class I

Compare with VUG-100

Model	Main Unit	Type of Cutter Head	Features and Functions
USS-100A	Ultrasonic Scalpel Main Unit	ADV side Key gun type cutter head 3 lengths (14cm/23cm/36cm)	Ultrasonic scalpel cutting+ advanced coagulation
USS-100B	Advanced Ultrasonic Scalpel Main Unit	ADV side Key gun head with knife type/ball type/ring type three functional heads	Cutting, coagulation and debridement were three in one

Advantage

Strong Anti-adhesion

Low operating temperatures, no eschar or carbonization.

Adjustable Operating Speed

Low lateral thermal damage, with five adjustable cutting speeds.

Clear Vision

Curved jaw design with larger viewing area; less smoke during surgery, guaranteeing the surgeon to obtain the best surgical field of view.

Stable and Reliable

No current through the animal, outputting energy stably and coagulating blood vessels under 5mm (including 5mm) safely.

High Flexibility

360~ operating angle, adjustable and flexible.

High Safety

The range of thermal damage is less than 1.5mm (data measured from the slices), reducing damage of surrounding tissues.

Easy to Care

The diameter of the blade is only 5.5mm, minimally invasive surgery with small incisions and quick recovery after surgery. Less pain for pets, easier care for owners.

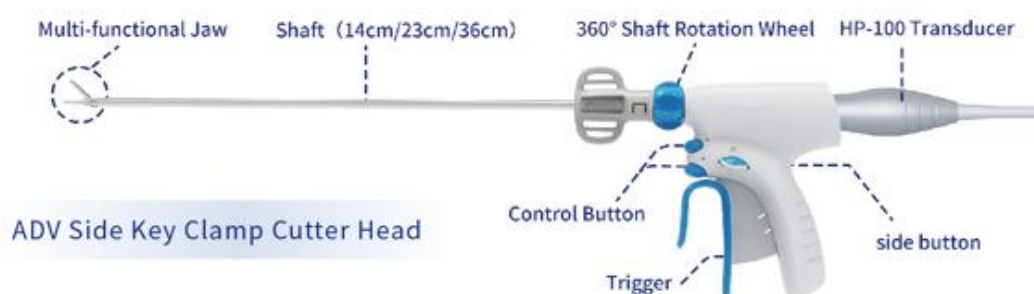
Compact and Lightweight

Designed by a professional team, weighing only 2.85KG and occupying little surgical space.

Ultra-low Thermal Damage

The range of lateral thermal damage is less than 1.5mm, reducing damage of surrounding tissues.

Product Details Description



MAX key: used for cutting and coagulation of vessels below 3mm

MIN key: used for cutting and coagulation of vessels below 5mm

ADV key: 1. For safe cutting and coagulation of vessels below 5mm2. Design more in line with ergonomic mechanics

Considering the safety, effectiveness and operation efficiency, we recommend that the first, second and third gears are used for the closure of 3mm-5mm vessels (including 5mm), and the fourth and fifth gears are used for the closure of vessels less than 3mm(including 3mm) and tissue cutting. Within the recommended range, the user can judge the required gear according to the actual situation and experience.

(Compared with MIN bond, the cutting speed of ADV key will be slightly reduced, but the safety margin of vascular burst pressure is higher, that is, the vascular coagulation is safer and more complete)

Standard Configuration

Main Unit (Generator) —1pc

Scalpel (14cm) —1pc

Scalpel (23cm) —1pc

Scalpel (36cm) —1pc

Transducer —2pcs

Silicone Sheath —2pcs

Spherical Rebirth Knife —1pc

Annular Rebirth Knife —1pc

Knife-shaped Rebirth Knife —1pc

Wrench —2pcs

Foot Pedal —1pc

Power Cord —1pc

*Note: You can choose any 3 sizes of scalpel as own demands.