



Wellmed Pro | Wellview Universal Group

TECHNICAL DATA SHEET

Veterinary ultrasonic scalpel system YSUSG300V

Description

The new generation ultrasound console algorithm offers faster cutting speed and stronger coagulation capabilities, capable of sealing 5mm blood vessels.

Features

Wellmed Pro's new generation of Ultrasonic Scalpel System features an advanced high-speed ultrasonic frequency tracking algorithm. This technology continuously senses changes in the tissue at the jaws throughout the surgical procedure and intelligently optimizes energy output in real-time. The innovative design offers several significant advantages, including precise cutting, minimal thermal damage, and reduced smoke production.

The device offers two power levels, MIN and MAX, to accommodate different surgical needs. Users can select from a power adjustment range of 0 to 5 levels to meet various complex surgical scenarios. This flexible power adjustment feature not only enhances the safety and effectiveness of surgeries but also provides surgeons with greater operational freedom and convenience.

The ultrasonic scalpel blade is made of ultra-high cycle fatigue-resistant titanium alloy, characterized by fatigue resistance and durability, maintaining stable performance and structural integrity under frequent use. The blade is available in four lengths to suit different surgical applications. The diverse options allow surgeons to choose the most appropriate blade length according to the specific requirements of the surgery, thereby improving precision and efficiency.

The ultrasonic transducer features advanced design and materials, demonstrating excellent performance in energy conversion efficiency. Its core material is piezoelectric ceramic, known for its superior electro-mechanical energy conversion capability, ensuring minimal energy loss during conversion and enhancing overall energy efficiency. It can withstand high-temperature and high-pressure sterilization processes, ensuring safety and hygiene standards in multiple uses. Additionally, the ultrasonic transducer employs an amplitude transformer structure design, more effectively concentrating and transmitting energy, making the ultrasonic output more focused and powerful, significantly enhancing cutting and coagulation effects during surgery.

The transducer is reusable, with the core advantage of driving all electronic components into ultrasonic vibration. This design ensures the device can continuously provide stable and efficient energy output during surgery, with no limit on the number of activations. Through its innovative design and outstanding performance, it greatly enhances the application effectiveness of ultrasonic scalpels in surgery, providing surgeons with an efficient, safe, and versatile tool that meets the diverse needs of modern surgeries.

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Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.