

ULTRASONIC GENERATOR

# SonoSurg-G2



# SonoSurg Ultrasonic Generator

## The One Source For Surgery

The SonoSurg Ultrasonic Generator provides you with power, performance, and precision for your surgical needs. Precise ultrasonic coagulation/cutting and powerful ultrasonic aspiration capabilities are interchangeable during surgery.

The SonoSurg also features superior cost performance, and when used with the ENDOALPHA Integrated Endosurgery System, it becomes your one-source surgical solution.



### You get power with the SonoSurg Generator

- **Expandable System Capacity**

Praised by surgeons worldwide for its superior performance, versatility, and cost-efficiency, SonoSurg offers unparalleled system capacity. With a single generator, you can perform ultrasonic coagulation/cutting for Laparoscopic-surgery, open surgery, and ultrasonic aspiration for general surgery and neurosurgery.

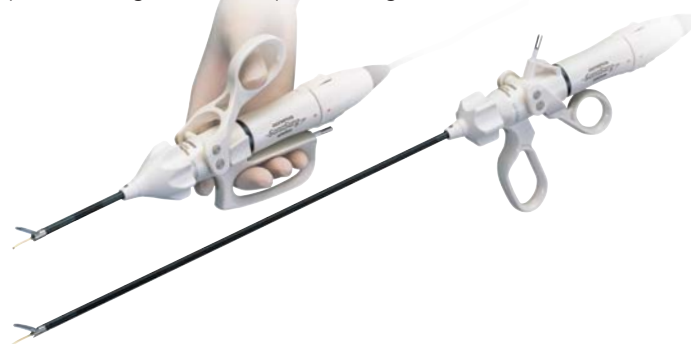
- **Compact, Space Saving**

SonoSurg's compact, all-in-one design not only eliminates the additional expenses incurred by multiple systems, it also means that the entire SonoSurg system can fit onto a single trolley or cart, allowing you to optimize the use of operating room space.

One System  
Does It All

### Coagulation and Cutting

Ultrasonic vibrations from the SonoSurg Generator and scissor-type probes especially designed to firmly grasp tissue allow optimum coagulation and quick cutting.



## SonoSurg

### Do it All

The multifunctional SonoSurg system incorporates ultrasonic coagulation/cutting, ultrasonic aspiration, and electrosurgical equipment on one compact trolley. Each component can be purchased separately, so the system can be tailored precisely to suit individual needs.

### Get Total System Integration

- **Use SonoSurg as part of ENDOALPHA**

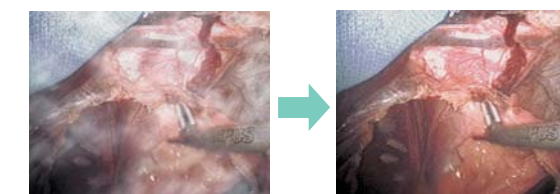
SonoSurg integrates seamlessly with Olympus' industry-leading ENDOALPHA centralized operating room control system which provides control over operating room equipment, as well as monitoring capability, insufflation, and smoke evacuation.



ENDOALPHA

- **Get a Clear Endoscopic View**

By using the UHI-3 insufflator with the SonoSurg Ultrasonic Generator, perform endosurgery in a clear endoscopic view like never before with the automatic smoke/mist evacuation and fog prevention capabilities.



### Get More with SonoSurg

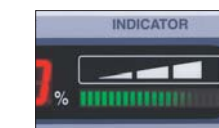
- **Ultrasonic Aspiration**

Adding the compact, high-powered suction pump KV-5 and irrigation unit to the generator enables ultrasonic aspiration for general surgery and neurosurgery.



- **Reusable for Superior Cost Performance**

SonoSurg instruments are autoclavable. You can sterilize them and use them over and over again. Cost performance increases every time you reuse implements.



- **Probe Tip Load Indicator**

An indicator displays the load on the probe tip.



- **Self-Diagnostics Function**

An alarm and indicator alert you to any problems that may occur.

- Ultrasonic Output Alarm indicates when there are problems with the probe.
- The output time warning lamp lights up, when ultrasonic output continues for more than the specified period.



SonoSurg-G2



#### SonoSurg Generator (SonoSurg-G2)

Power supply	Voltage	120/220 – 240 V AC
	Power fluctuation	Within $\pm 10\%$
	Frequency	50/60 Hz
	Input current	6 A (at 120 V AC), 3 A (at 220 – 240 V AC)
Size	Dimensions	295 (W) x 132 (H) x 366 (D) mm
	Weight	9 kg
Classification (electromedical equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied parts	Type CF (low frequency leakage current below 10 $\mu$ A)
	Degree of protection against explosion	Never use SonoSurg Generator in a flammable atmosphere.
	Applicable hand piece	Only Olympus T3000 series hand pieces are applicable.
Ultrasonic output	ON/OFF operation	Foot switch, Hand switch (optional)
	Output setting	The output level can be set by pressing the ultrasonic output setting switches on the front panel of the Generator. (10 – 100%)
	Frequency	23.5 kHz/47 kHz
	Maximum output	150 W (interval output) 100 W (continuous output)
Safety standard	Medical Electrical Equipment IEC 60601-1, UL60601-1	

#### SonoSurg Irrigation Unit (SonoSurg-IU)

Power supply	Voltage	120/220 – 240 V AC
	Power fluctuation	Within $\pm 10\%$
	Frequency	50/60 Hz
	Input current	1 A (at 120 V AC), 0.5 A (at 220 – 240 V AC)
Size	Dimensions	295 (W) x 83.5 (H) x 414 (D) mm
	Weight	5.3 kg
Classification (electromedical equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied parts	Type CF (low frequency leakage current below 10 $\mu$ A)
	Degree of protection against explosion	Never use SonoSurg-IU in a flammable atmosphere.
	ON/OFF operation	Foot switch
Irrigation	Output setting	10 – 100%
	Safety standard	Medical Electrical Equipment IEC60601-1, UL60601-1

#### Suction Pump (KV-5)

Power supply	Voltage	110 - 120/220 - 240 V
	Power fluctuation	Within $\pm 10\%$
	Frequency	50/60 Hz
	Power rating	240 VA (110 - 120/220 - 240 V)
	Dimensions	255 (W) x 250 (H) x 310 (D) mm
	Weight	12.7 kg
Classification (electromedical equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied parts	Type BF
	Degree of protection against explosion	Never use KV-5 in a flammable atmosphere.
	Vacuum	85 kPa
Suction	Free air flow rate	20 L/min
	Safety standard	Medical Electrical Equipment IEC60601-1, UL60601-1

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.