

# OLYMPUS®

Your Vision, Our Future

Surgical Tissue Management System  
Ultrasonic Generator

## USG-400



# Ultrasonic Generator

## USG-400

### Main features

#### USG-400 supports

- THUNDERBEAT, Exclusively delivering both ultrasonic and bipolar energy for reliable vessel sealing and the fastest in class tissue cutting, when combined with ESG-400, electro-surgical generator.
- SONICBEAT, Delivering ultrasonic energy for the simultaneous cut and coagulation of tissue.

#### USG-400 Features and Benefits

- Graphical User Interface for intuitive operation, ease of use, and rapid troubleshooting.
- Instrument recognition and automatic application of default settings for ease of use.
- Hand switch and foot switch activation options to meet each surgeon's individual preferences.
- Automatic mist and smoke evacuation to maintain a clear laparoscopic view reducing delays associated with compromised visualization, when combined with UHI series insufflator.
- A dedicated cart for transportation and storage.



USG-400 and ESG-400 (optional)  
installed on TC-E400 (optional)

### USG-400 Specifications

Power Supply	Voltage	120/220 – 240 V AC
	Voltage fluctuation	Within $\pm 10\%$
	Frequency	50/60 Hz
	Frequency fluctuation	Within $\pm 1$ Hz
	Input	360 VA
	Fuse rating	4 A, 250 V
	Fuse size	$\phi 5 \times 20$ mm
Size	Dimensions	375 (W) $\times$ 156 (H) $\times$ 480 (D) mm
	Weight	9 kg
Classification (medical electrical equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock	CF type
	Degree of protection against explosion	The ultrasonic generator should be kept away from flammable gases.
Output	Applicable instrument	THUNDERBEAT*1 SONICBEAT
	ON/OFF operation	Footswitch Handswitch
	Output setting	Setting possible in the Set Screen displayed on the touch panel.
	Frequency	47.0 kHz

\*1 When combined with ESG-400, electro-surgical generator.

### TC-E400 Energy Cart Specifications

Dimensions	515 (W) $\times$ 1047 (H) $\times$ 715 (D) mm
Shelf Width	378 mm
Weight	38 kg
Load Capacity (when equally distributed)	Equipment shelf 40 kg*2
	Foot switch shelf 20 kg
	Drawer 5 kg
Casters	4 $\times$ $\phi 125$ mm dia., with brakes on all the casters.

\*2 Do not place an instrument with a larger footprint than the shelf plate on the EPF Cart.

### Ordering information

USG-400	Ultrasonic Generator
<b>Option</b>	
ESG-400	Electrosurgical Generator *3
TC-E400	Energy cart for USG-400 and ESG-400
MAJ-1869	Footswitch for SONICBEAT
MAJ-1870	Footswitch for THUNDERBEAT
MAJ-1871	Communication cable short *3
MAJ-1872	Communication cable long *4
MAJ-1873	Adapter for the connection to UHI-2 or UHI-3 insufflator *4
MAJ-1876	Docking fixture *3

\*3 Required for the use of THUNDERBEAT

\*4 Required for the automatic mist and smoke evacuation function

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

**OLYMPUS**<sup>®</sup>

OLYMPUS MEDICAL SYSTEMS CORP.  
Shinjuku Monolith, 2-3-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 163-0914, Japan

For a complete listing of  
sales and distribution locations visit:  
[www.olympus.com](http://www.olympus.com)