

ELECTROSURGICAL UNIT

## UES-40

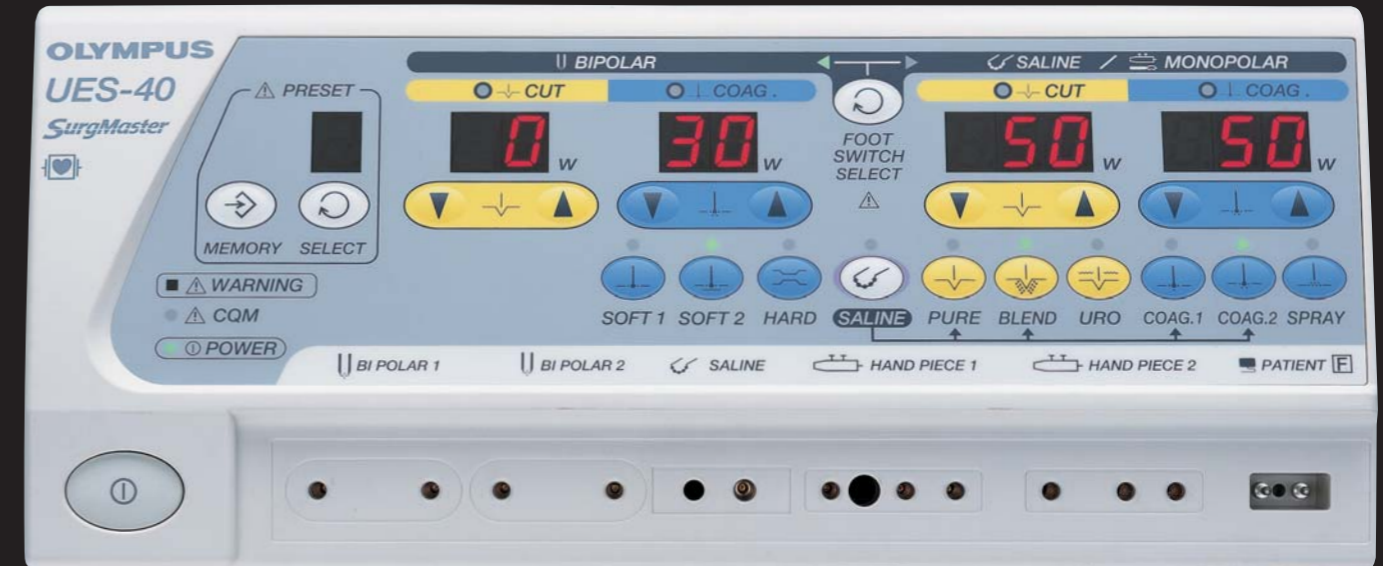
Introducing the All-Inclusive Electrosurgical Unit



# SurgMaster

## SurgMaster — Powered by Intelligence

With significantly improved performance in cutting and coagulation, the UES-40 covers almost every need where electrosurgery is performed. Allowing the use of conventional monopolar resectoscopes as well as bipolar and monopolar hand instruments, it also enables you to perform Resection in Saline. Powered by intelligence, the UES-40 is suitable during open and endoscopic surgery.



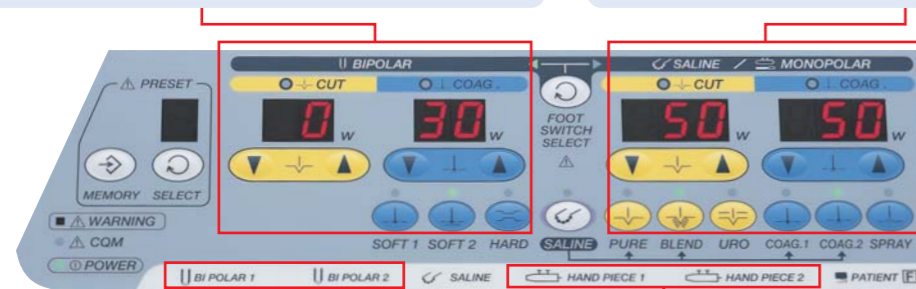
### Solid and Reliable Performance

#### Bipolar Mode

The UES-40 bipolar mode provides high output power with intermittent activation so that stronger coagulation is achieved without charring and sticking.

#### Monopolar Mode

Along with two coagulation modes, the UES-40 provides optimal cutting ability while in monopolar mode.



Two Separate Connectors for Monopolar and Bipolar

### User Friendly Functions MAJ-1258 (for monopolar / bipolar) , MAJ-1259 (for bipolar)

#### Optional Footswitch

Connecting the MAJ-1259 allows use of two handpieces during one procedure to control monopolar or bipolar output of the first handpiece with MAJ-1258, and the bipolar output of the second handpiece with MAJ-1259.



MAJ-1259

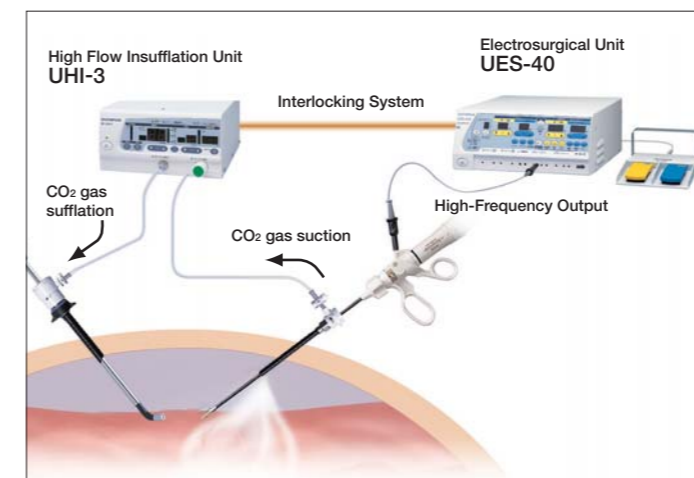


MAJ-1258

### Automatic Smoke Evacuation

Clear-SurgEndo-View

When using the UES-40 together with the UHI-3 High Flow Insufflation Unit, smoke in the abdominal cavity can be automatically eliminated.



As you press the footswitch of the UES-40 for high-frequency output, the UHI-3 High Flow Insufflation Unit is activated to evacuate smoke, and return the pressure of abdominal cavity to a set rate.

### Dual Resection Mode

In addition to the mode for conventional monopolar resection, the UES-40 is equipped with the breakthrough Saline mode for resection in saline\*.

\* Only in combination with the Olympus OES Pro Resection-in-Saline resectoscope.



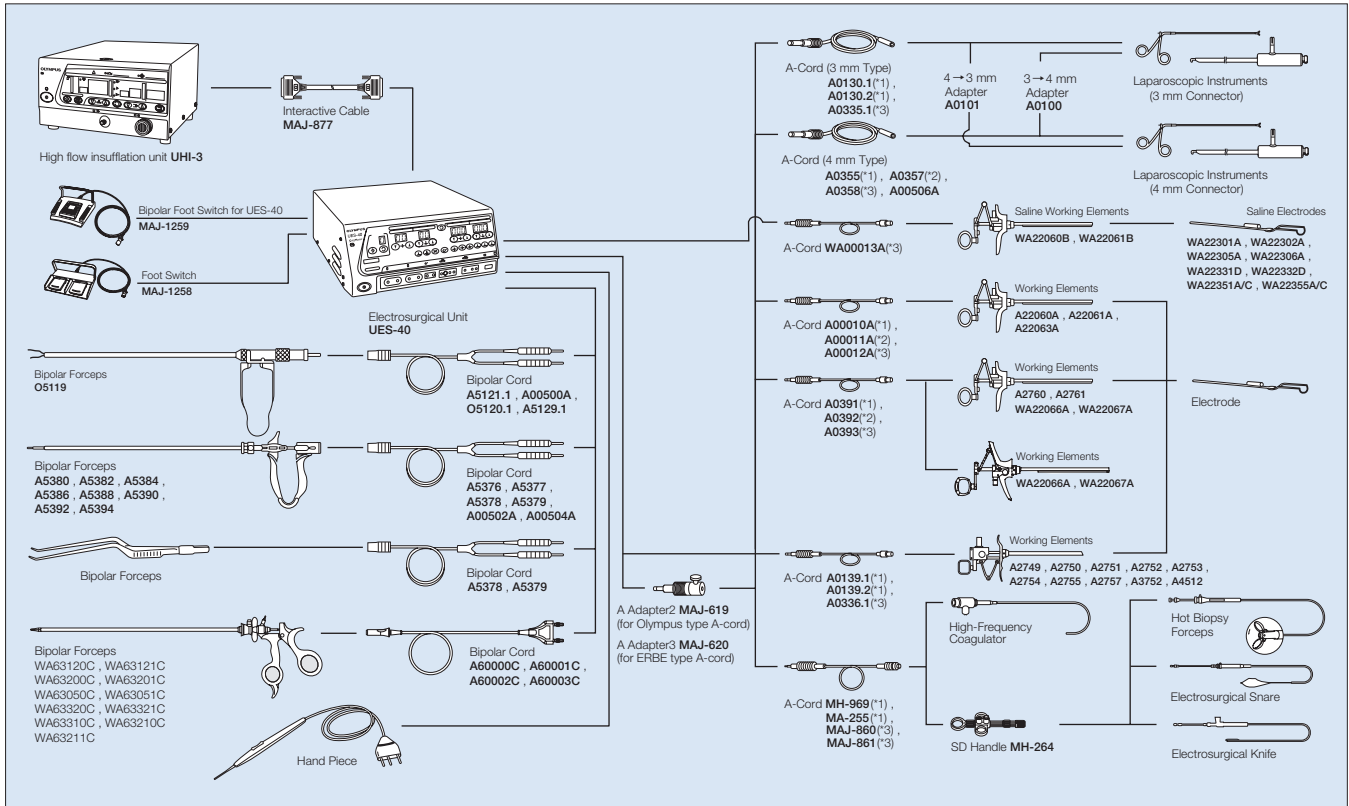
### ENDOALPHA Compatible

The UES-40 is compatible with ENDOALPHA Centralized O.R. Control System.

ENDOALPHA



# System Chart



(\*1) A Adapter2 MAJ-619 is required (\*2) A Adapter3 MAJ-620 is required (\*3) Directly connected to UES-40

## Specifications

Applicability	Applicable field	General and endoscopic electrosurgery (restricted to endoscopes suitable for electrosurgery)			
High-frequency output	Output method	Monopolar, Bipolar, and Saline modes			
	Output types	<b>Monopolar</b> Cutting modes: 3 modes (PURE, BLEND, URO) Coagulation modes: 3 modes (COAG.1, COAG.2, SPRAY)	<b>Bipolar</b> Cutting modes: 1 mode (PURE) Coagulation modes: 3 modes (SOFT1, SOFT2, HARD)		<b>Saline</b> Cutting modes: 2 modes (PURE, BLEND) Coagulation modes: 2 modes (COAG.1, COAG.2)
	Maximum output	<b>Monopolar</b> PURE : 300 W BLEND : 250 W URO : 300 W COAG.1 : 120 W COAG.2 : 120 W SPRAY : 120 W	<b>Bipolar</b> PURE : 90 W SOFT1 : 90 W SOFT2 : 90 W	<b>HARD</b> L1 : 80 W L2 : 120 W L3 : 160 W	<b>Saline</b> PURE : 320 W BLEND : 320 W COAG.1 : 200 W COAG.2 : 80 W
	Adjustment increments	5 W increments	0 to 20 W : 1 W increments 20 to 30 W : 2 W increments 30 to 90 W : 5 W increments	1 LEVEL increments	5 W increments
	Rated load resistance	Monopolar 300 Ω	Bipolar 100 Ω (HARD 50 Ω)		
	Fundamental frequency	350 kHz / 1 MHz (for SPRAY)			
	Output control	Control by Foot Switch, Hand Switch or Handpiece. The following terminals can be controlled with the switches:			
		Footswitch for the UES-40 (MAJ-1258) •Bipolar connector 1 •Handpiece connector 1 •Active connector •Saline connector	Bipolar foot switch for the UES-40 (MAJ-1259) •Bipolar connector 2		Handpiece for monopolar •Handpiece connector 1 •Handpiece connector 2
Output time	10 seconds ON, 30 seconds OFF (in case of continuous output, keep the output time below 10 seconds)				
Power supply	Voltage	120 V / 220 - 240 V AC			
	Frequency	50 / 60 Hz			
	Input current	12 A (120 V) 6 A (220 - 240 V)			
	Electric power consumption	MAX 1,440 W (120 V) 1,380 W (220 - 240 V)			
Size	Dimensions	350 mm (W) x 150 mm (H) x 400 mm (D)			
	Weight	12.0 kg			

## Standard Set

- Electrosurgical Unit UES-40
- Footswitch for UES-40 MAJ-1258
- Power Cord

## Optional Accessories

- **Bipolar Electrode**  
O5119 / A5380 / A5382 / A5384 / A5386 / A5388 / A5390 / A5392 / A5394
- **Bipolar Cord**  
A5121.1 / A5377 / A5378 / A5379  
A60000C / A60001C / A60002C / A60003C / A00500A / O5120.1 / A5129.1 / A5376 / A5378 / A5379 / A00502A / A00504A
- **A Adapter2 MAJ-619**  
(for Olympus type A-cord)
- **A Adapter3 MAJ-620**  
(for ERBE type A-cord)
- **A-Cord**  
A0130.1 / A0130.2 / A0139.1 / A0139.2 / A0335.1 / A0336.1 / A0355 / A0357 / A0358 / A0391 / A0392 / A0393 / MA-255 / MH-969 (A8406) / MAJ-860 (A02915A)

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



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