

OLYMPUS[®]

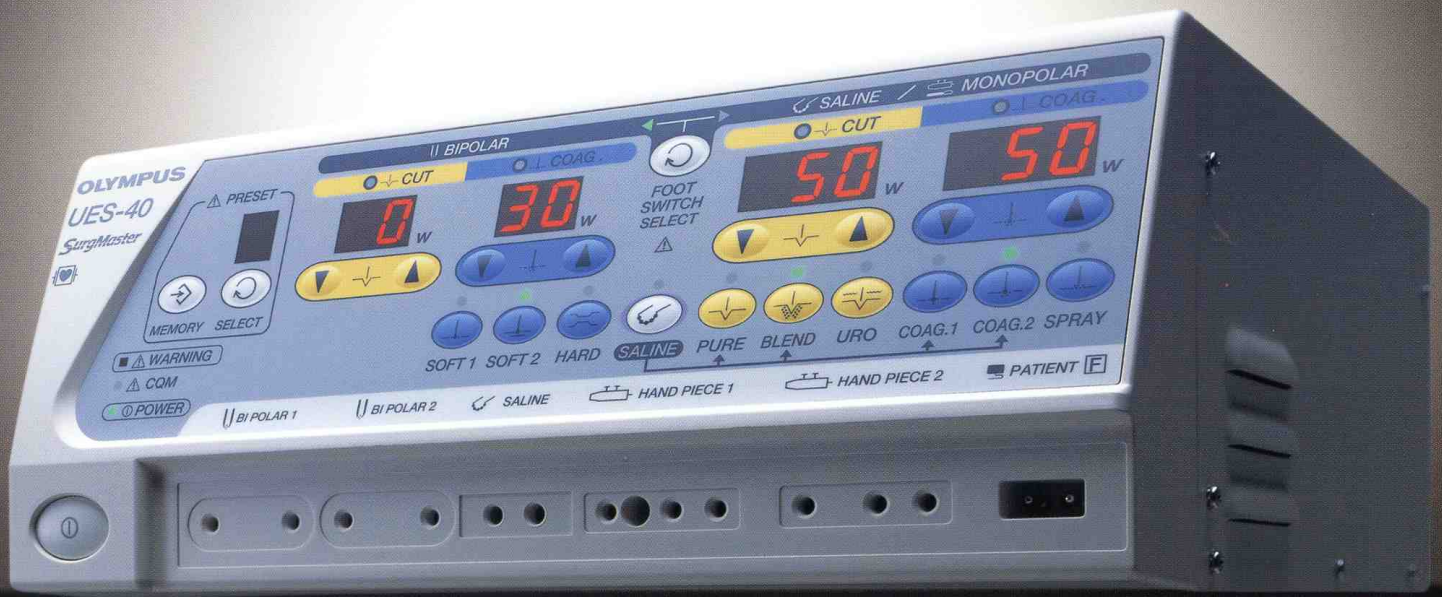
Your Vision, Our Future

ELECTROSURGICAL UNIT

UES-40

SurgMaster

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 Saline TUR — Resection in Saline. Powered by intelligence, the UES-40 is suitable for open and endoscopic surgery including urology, gynecology, respiratory and gastroenterology.

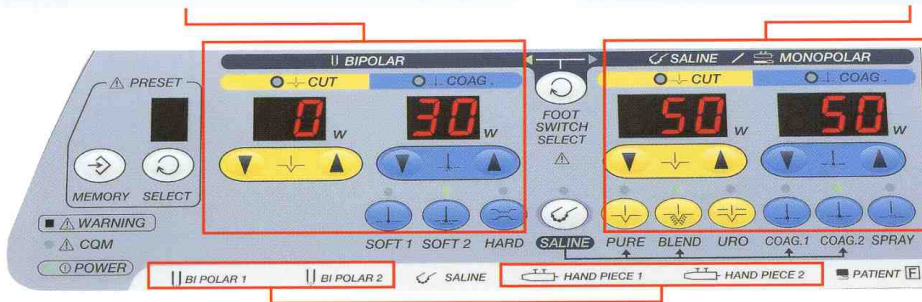
The Solid Performance that You Can Count on

Bipolar Mode

The UES-40 bipolar coagulation 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, one with lowered cutting ability and one with high cutting ability, the UES-40 has various monopolar modes.

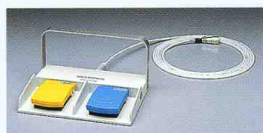


Two Separate Connectors for Monopolar and Bipolar

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

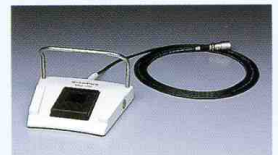
Foot Switch Selection Button

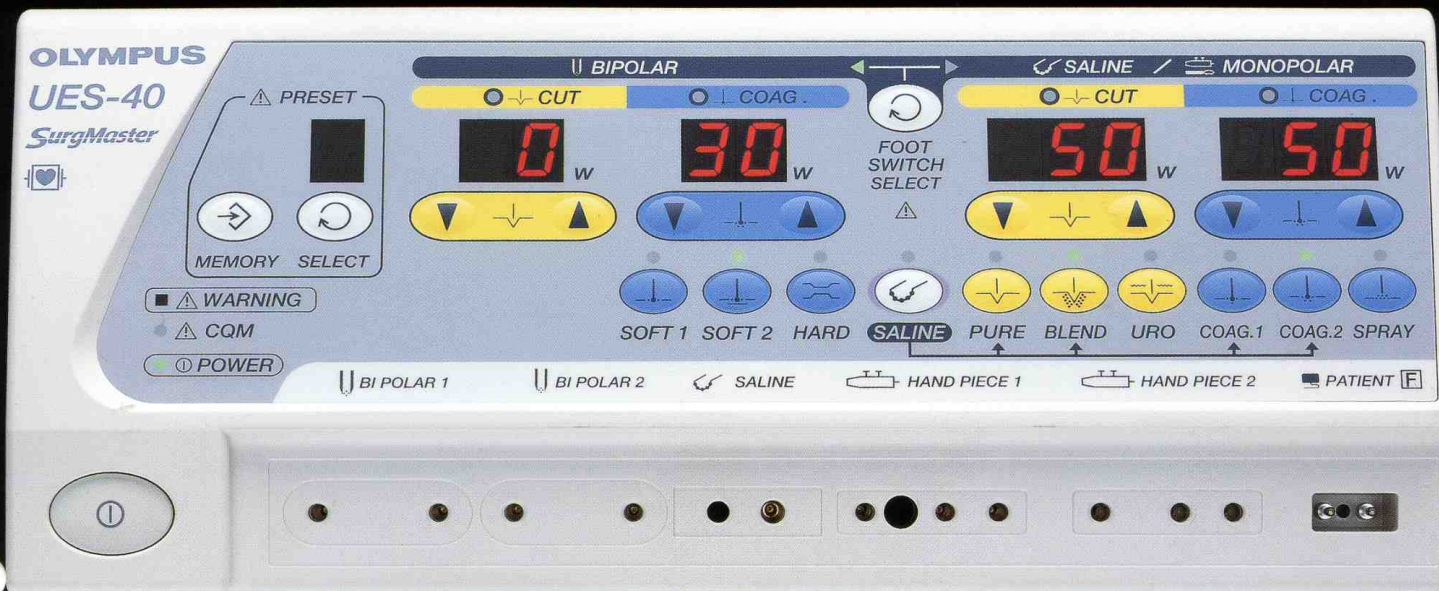
This feature changes monopolar / bipolar output control of the Foot Switch (MAJ-1258)



Optional Foot Switch

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

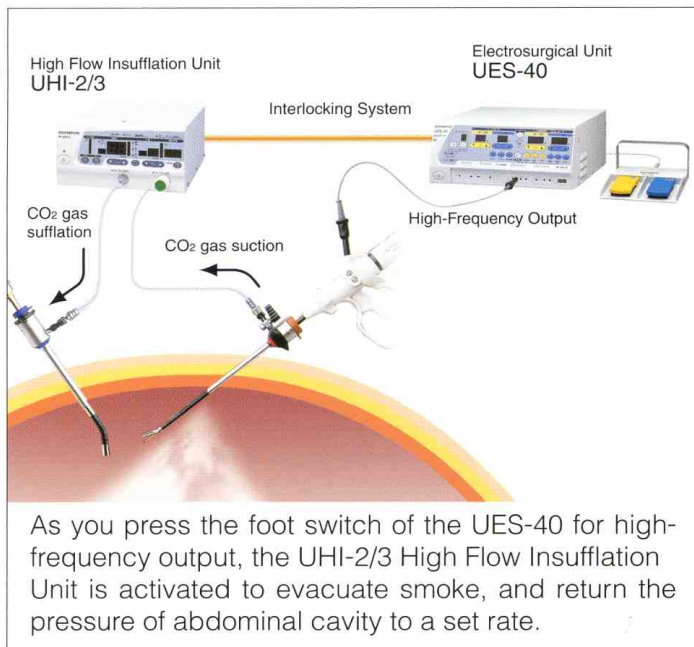




Automatic Smoke Evacuation

Clear-Endoscopic-View

When using the UES-40 together with the UHI-2/3 High Flow Insufflation Unit, smoke in the abdominal cavity can be automatically eliminated. The UES-40 is also compatible with EndoALPHA Centralized O.R. Control System.



PURE

TUR or Saline TUR



SALINE

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

* Only in combination with the Olympus OES Pro resectoscope.



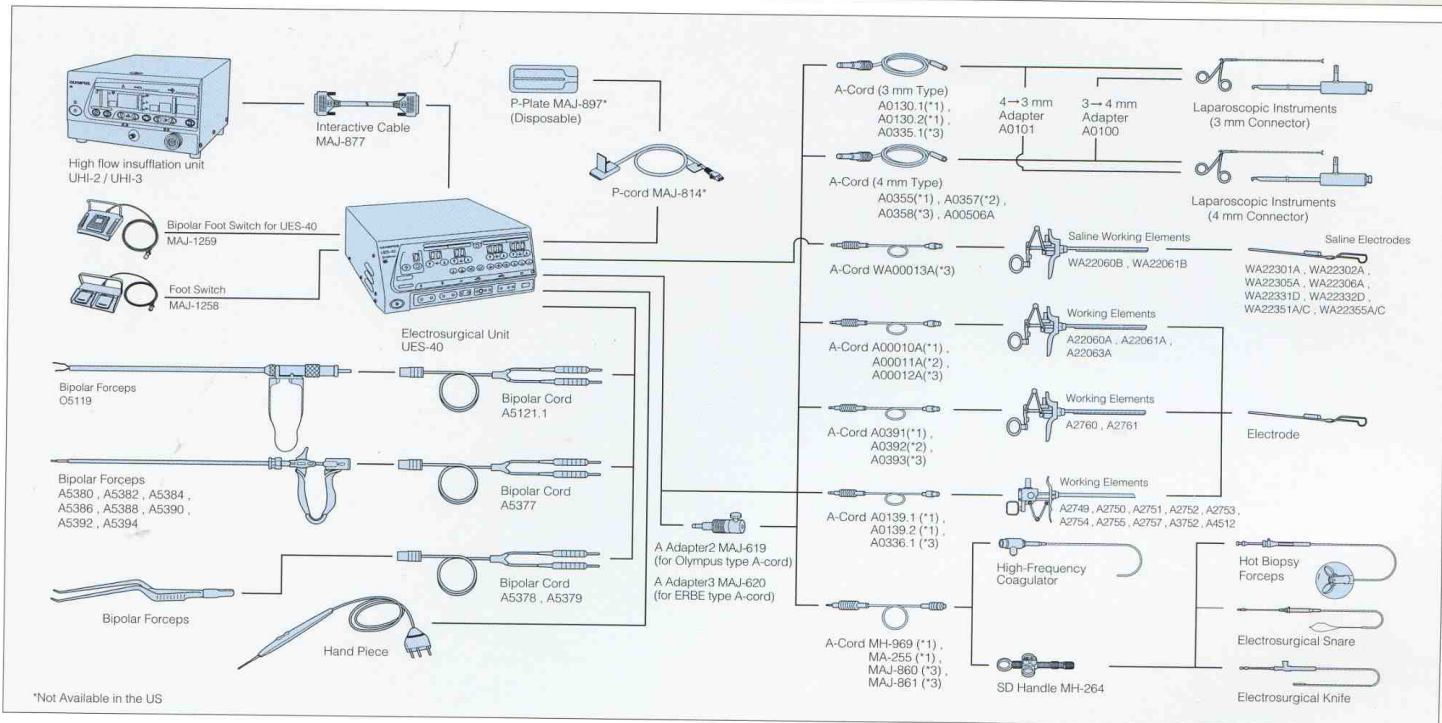
EndoALPHA Compatible

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

EndoALPHA
COMPATIBLE



System Chart



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

Standard Set

Electrosurgical Unit UES-40
Foot Switch 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

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) / MAJ-861*(A02916A)

*Not Available in the US

Specifications

Item	Specification						
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: <table border="1" style="width: 100%;"> <tr> <th>Monopolar</th> <th>Bipolar</th> <th>Saline</th> </tr> <tr> <td>Cutting modes: 3 modes (PURE, BLEND, URO) Coagulation modes: 3 modes (COAG.1, COAG.2, SPRAY)</td> <td>Cutting modes: 1 mode (PURE) Coagulation modes: 3 modes (SOFT1, SOFT2, HARD)</td> <td>Cutting modes: 2 modes (PURE, BLEND) Coagulation modes: 2 modes (COAG.1, COAG.2)</td> </tr> </table>	Monopolar	Bipolar	Saline	Cutting modes: 3 modes (PURE, BLEND, URO) Coagulation modes: 3 modes (COAG.1, COAG.2, SPRAY)	Cutting modes: 1 mode (PURE) Coagulation modes: 3 modes (SOFT1, SOFT2, HARD)	Cutting modes: 2 modes (PURE, BLEND) Coagulation modes: 2 modes (COAG.1, COAG.2)
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Maximum output	<table border="1" style="width: 100%;"> <tr> <th>Monopolar</th> <th>Bipolar</th> <th>Saline</th> </tr> <tr> <td>PURE : 300 W BLEND : 250 W URO : 300 W COAG.1 : 120 W COAG.2 : 120 W SPRAY : 120 W</td> <td>PURE : 90 W SOFT1 : 90 W SOFT2 : 90 W HARD L1 : 80 W L2 : 120 W L3 : 160 W</td> <td>PURE : 320 W BLEND : 320 W COAG.1 : 200 W COAG.2 : 80 W</td> </tr> </table>	Monopolar	Bipolar	Saline	PURE : 300 W BLEND : 250 W URO : 300 W COAG.1 : 120 W COAG.2 : 120 W SPRAY : 120 W	PURE : 90 W SOFT1 : 90 W SOFT2 : 90 W HARD L1 : 80 W L2 : 120 W L3 : 160 W	PURE : 320 W BLEND : 320 W COAG.1 : 200 W COAG.2 : 80 W
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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 1LEVEL 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:						
	<table border="1" style="width: 100%;"> <tr> <td>Foot switch for the UES-40 (MAJ-1258) • Bipolar connector 1 • Handpiece connector 1 • Active connector • Saline connector</td> <td>Bipolar foot switch for the UES-40 (MAJ-1259) • Bipolar connector 2</td> <td>Handpiece for monopolar • Handpiece connector 1 • Handpiece connector 2</td> </tr> </table>	Foot switch 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			
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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						

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

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