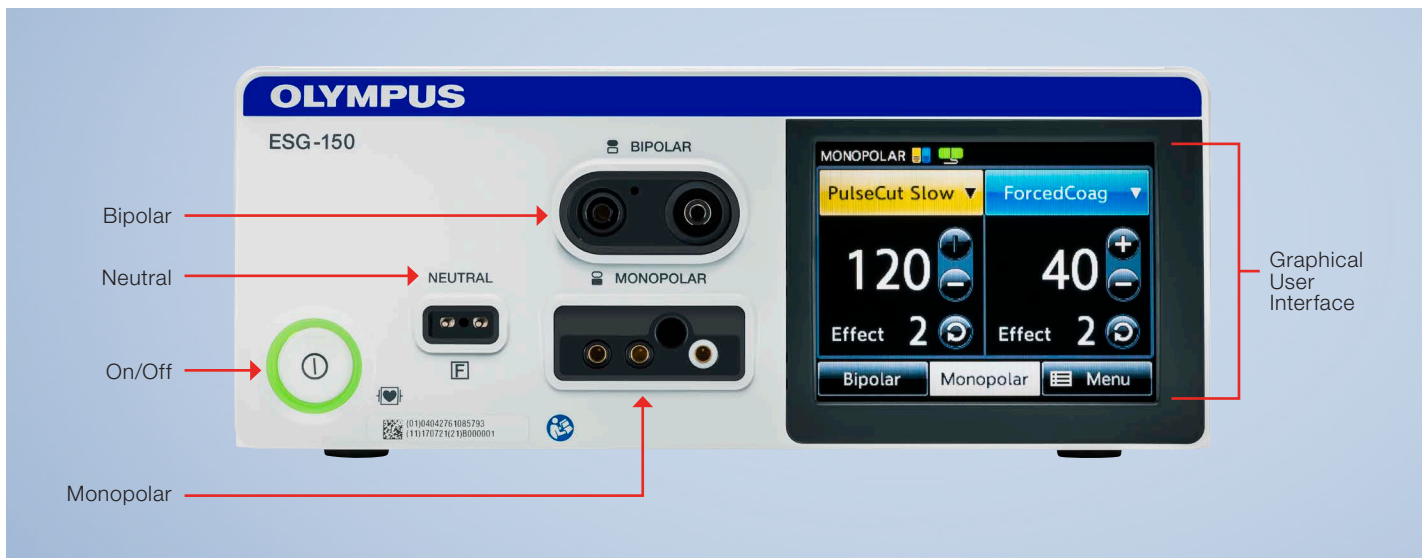


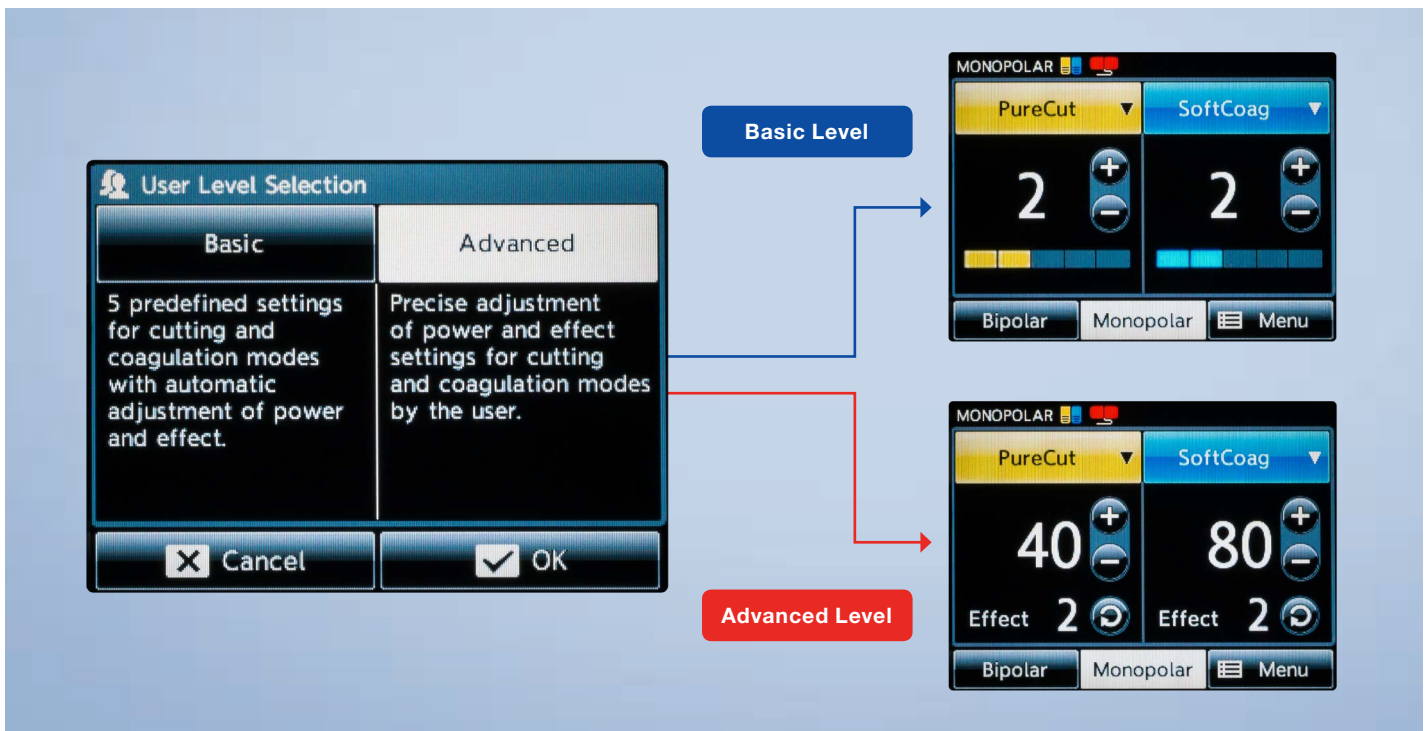
ESG-150 (Electrosurgical Generator) Quick Reference Guide

CAUTION: This guide is only a summary of the instructions for use of the ESG-150 Electrosurgery Generator. Be sure to reference the instruction manual that was included with your product purchase.

ESG-150 Electrosurgical Generator



ESG-150 User Flexibility



ESG-150 (Electrosurgical Generator)

Quick Reference Guide

Monopolar Home Screen

The Monopolar Home Screen is shown in two levels: Advanced Level (left) and Basic Level (right). Both screens display 'MONOPOLAR' at the top with an 'Active Socket' indicator and a 'Contact Quality Monitor' icon. The Advanced Level screen shows 'PureCut' and 'SoftCoag' modes with power levels of 40 and 80, and effect levels of 2. The Basic Level screen shows the same modes with power levels of 2. Both screens have 'Bipolar', 'Monopolar', and 'Menu' buttons at the bottom. Red arrows point to various UI elements with labels: 'Active Socket', 'Contact Quality Monitor', 'Active Mode', 'Power Adjustment', 'Effect Level Adjustment', 'Change Output Socket', and 'System Setup'.

Bipolar Home Screen

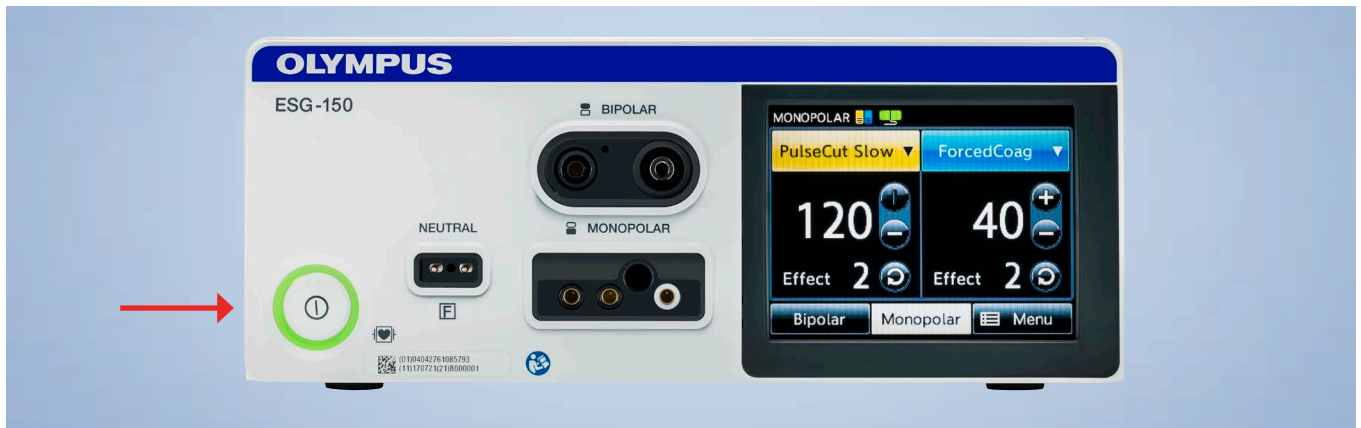
The Bipolar Home Screen is shown in two levels: Advanced Level (left) and Basic Level (right). Both screens display 'BIPOLAR' at the top with an 'Active Socket' indicator. The Advanced Level screen shows 'BipolarCut' and 'BiSoftCoag' modes with power levels of 40 and 40, and effect levels of 2. The Basic Level screen shows the same modes with power levels of 2. Both screens have 'Bipolar', 'Monopolar', and 'Menu' buttons at the bottom. Red arrows point to various UI elements with labels: 'Active Socket', 'Active Mode', 'Power Adjustment', 'Effect Level Adjustment', 'Change Output Socket', and 'System Setup'.

ESG-150 (Electrosurgical Generator)

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ESG-150 System Operating Steps

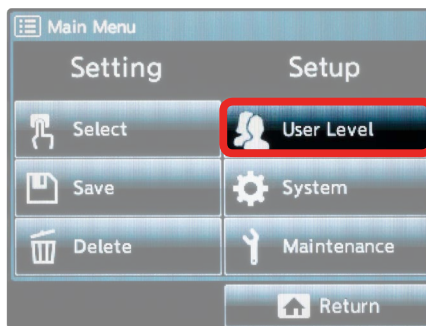
- 1 Turn on the ESG-150.



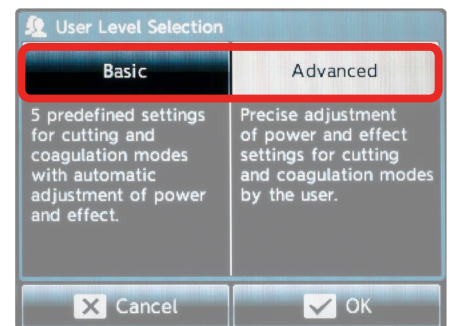
- 2a Select Basic or Advanced Level Functionality.



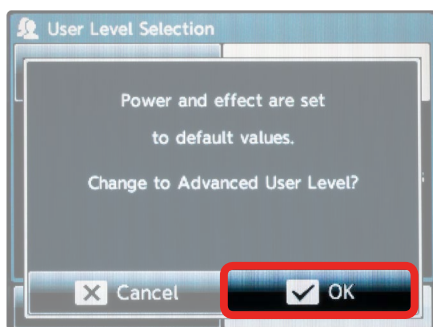
- 1) Select the "Menu" button.



- 2) Select "User Level".



- 3) Select "Basic" or "Advanced" Functionality.



- 4) Select the "OK" button to confirm.



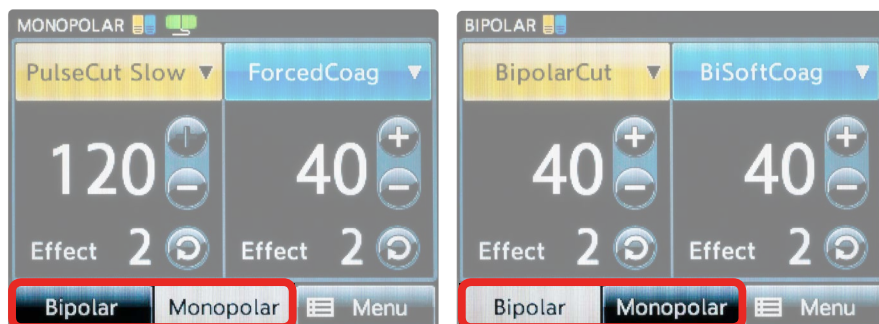
- 5) Functionality has changed on the home screen.

ESG-150 (Electrosurgical Generator)

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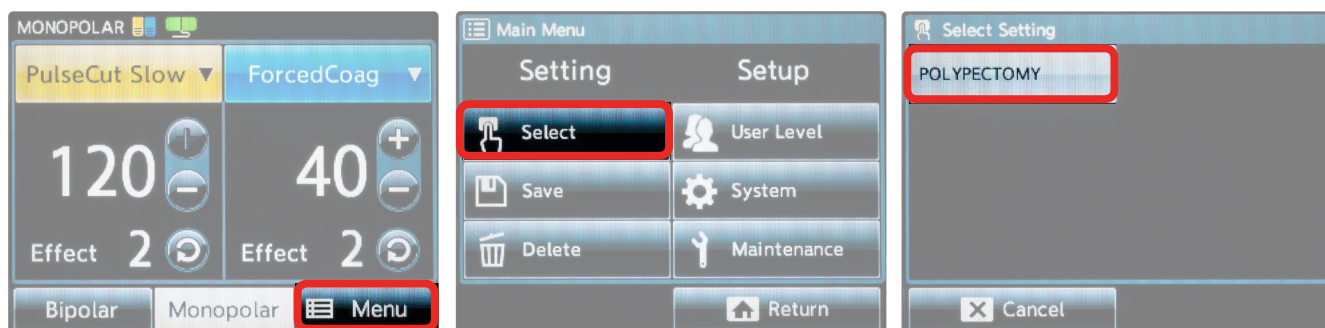
ESG-150 System Operating Steps

2b Select Mode: Monopolar; Bipolar.



1) Select the mode by tapping on the desired mode located on the bottom of the touch screen.

2c (Optional) Select User Defined Settings.

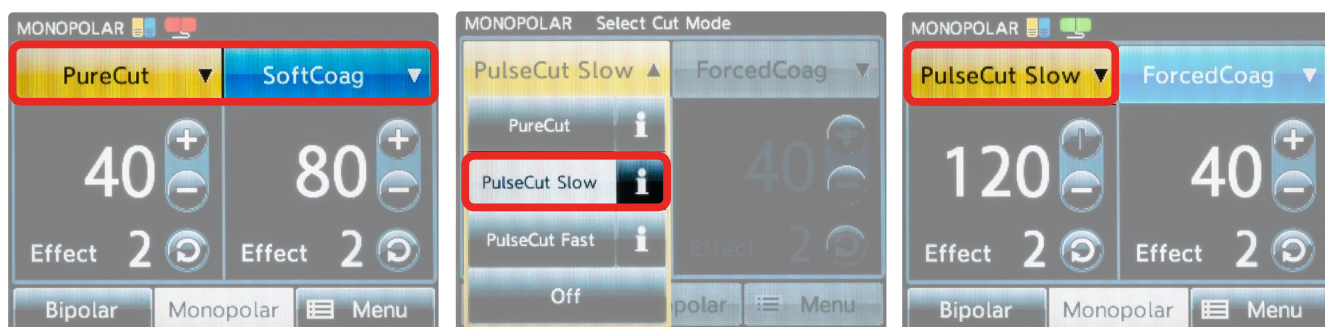


1) Select the "Menu".

2) Choose "Select".

3) Select desired setting.

3 Mode menu selection.



1) Select the mode by tapping on color bar on the touch screen.

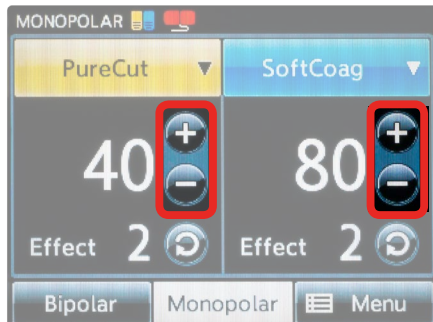
2) In the menu screen, tap to select the desired mode.


3) Once selected, the home screen will display the change.

ESG-150 (Electrosurgical Generator) Quick Reference Guide

ESG-150 System Operating Steps


4 Changing the Power Level.



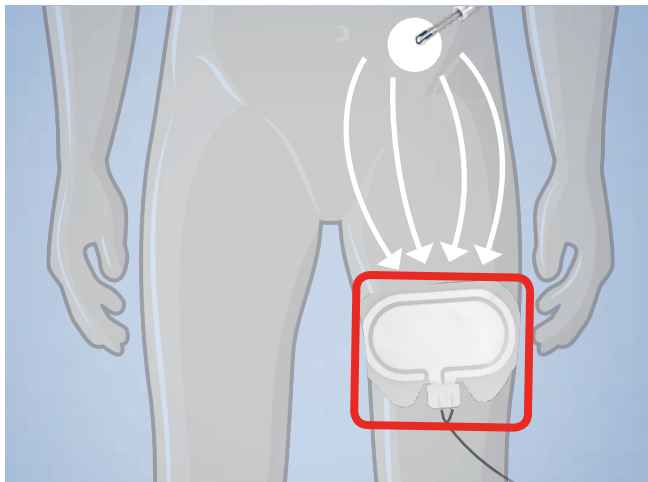
Select  to adjust power level.

5 Changing the Effect.

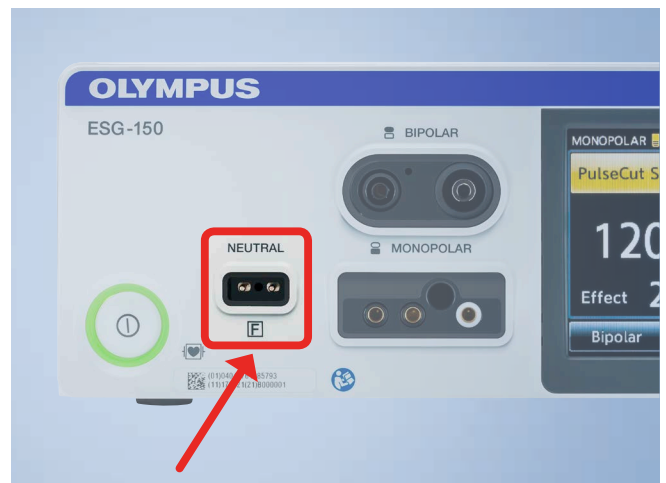


Select  to adjust effect. (Effect is only available in the Advanced Level Function.)

6



1) Apply the neutral electrode to the patient.



2) Connect to the ESG-150.

ESG-150 (Electrosurgical Generator) Quick Reference Guide

ESG-150 System Operating Steps

7 Monitor Neutral Electrodes: Contact Quality Monitor.



If the red neutral electrode lights up and alarm tone sounds:

- Is the neutral electrode correctly connected to the device?
- Does the neutral electrode have sufficient contact to the skin?

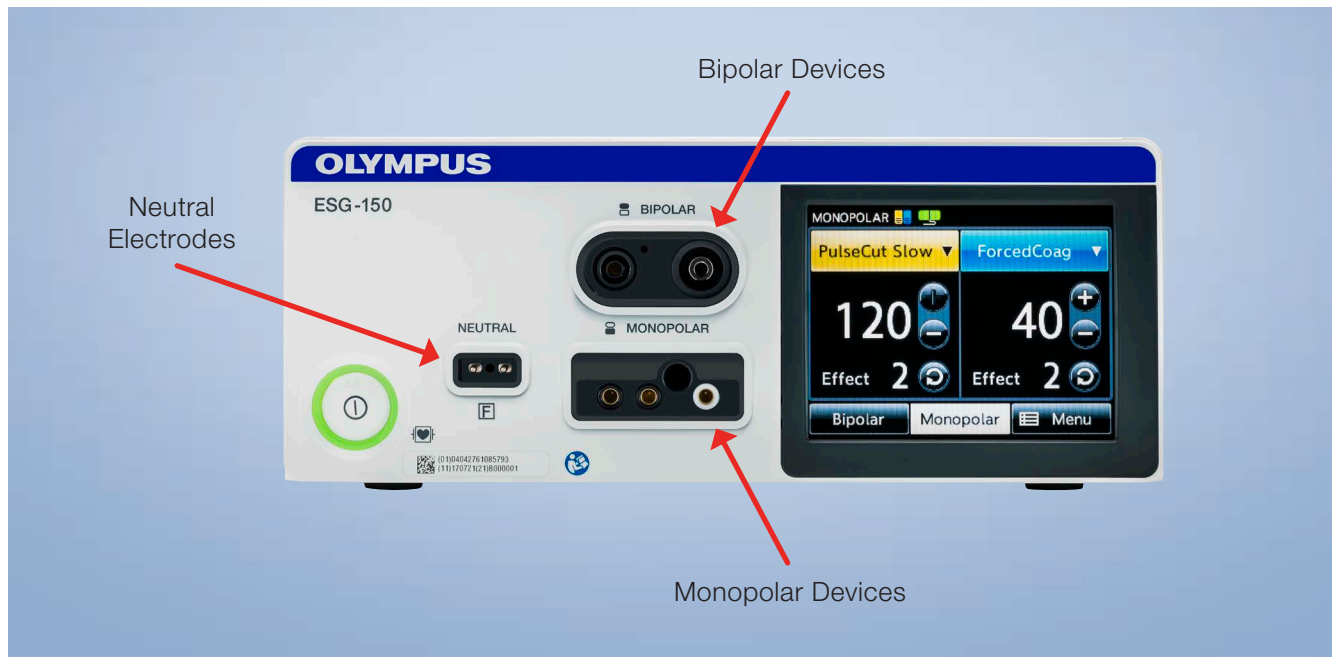


Correct = Green



Error = Red

8 Connect device in appropriate receptacle.



ESG-150 (Electrosurgical Generator)

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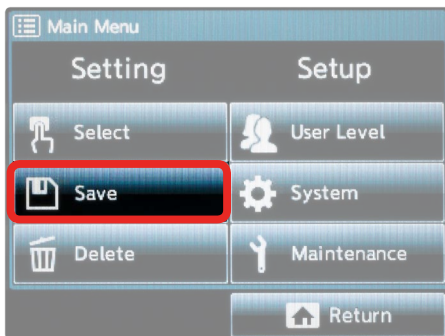
Creating User Defined Settings



STEP 1

On the home screen

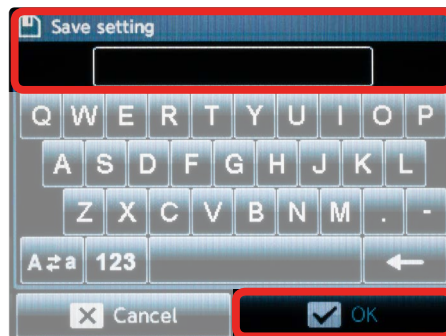
- Select Preferred Modes
- Select Power Level
- Select Effect Level
- Select Menu



STEP 2

Settings/Setup Screen

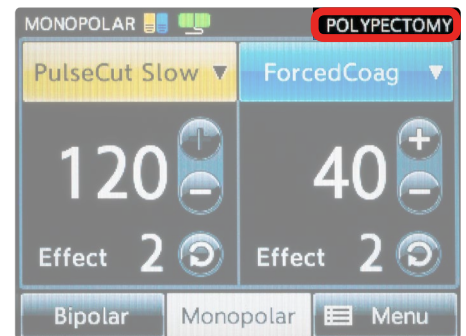
- Select "Save"



STEP 3

Save Setting Screen

- Enter the setting name
- Select "OK"



STEP 4



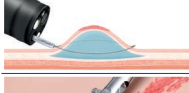


The setting will appear on the upper right of the touchscreen.

ESG-150 (Electrosurgical Generator)





Quick Reference Guide

ESG-150 Operation Settings

Basic Procedures

| | Procedure | Instrument or Technique | Mode | Power | Effect |
|---|--|-----------------------------------|---------------|-------|--------|
|  | Snare Polypectomy: Sessile polyp | Close the snare slowly and gently | PulseCut Slow | 120 | 2 |
|  | Snare Polypectomy: Pedunculated polyp | Close the snare slowly and gently | ForcedCoag | 20 | 4 |
|  | Endoscopic Mucosal Resection (EMR) | Close the snare slowly and gently | PulseCut Slow | 120 | 2 |
|  | Hemostasis | Coagrasper | SoftCoag | 50 | 3 |
|  | Sphincterotomy | Sphincterotome | PulseCut Fast | 120 | 2 |

Pulmonary Procedures

| | Procedure | Instrument or Technique | Mode | Power | Effect |
|---|--|--|-----------------------------|----------|--------|
|  | Less extended lesion, bleeding | CD-6C-1 | SoftCoag | 40 | 3 |
|  | Polypoid Lesion (intraluminal mass) | SD-7C-1 | PulseCut Slow | 50 | 2 |
|  | Web-like Stenosis | KD-31C-1 | PulseCut Fast ForcedCoag | 40 40 | 2 3 |
|  | Tissue Ablation | Activate MAPC probe within a 2-5 mm distance from tissue | ForcedArgon | 35 | N/A |

The above settings are examples based upon previous general clinical usage of the device. Please note that clinical staff are solely responsible for selection of an appropriate mode and power level, dependent upon the instrument being used and the condition of the tissue being treated. Due to the heterogeneity of instruments and clinical conditions, Olympus cannot accept liability for clinical risks arising from the use of these example settings.

ESG-150 (Electrosurgical Generator)

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ESG-150 Monopolar Modes

The wired foot switch is an accessory and must only be used in conjunction with the compatible ESG-150 to activate the generator.

The foot switch consists of:

- Yellow cut pedal to activate the selected cutting mode.
- Blue coagulation pedal to activate the selected coagulation mode.
- Foot switch plug (7-pin connector) to connect the foot switch with the ESG-150. The length of the connecting cable is 4m.



YELLOW PEDAL

Press to activate the selected **CUTTING** mode

BLUE PEDAL

Press to activate the selected **COAGULATION** mode

| CUT MODES | | COAGULATION MODES | |
|---|--|----------------------------------|--------------------|
| PureCut | PulseCut | ForcedCoag | SoftCoag |
| Continuous cutting | Controlled cutting with an intermittent duty cycle of different duration | Superficial pinpoint coagulation | Deeper coagulation |
| High Power Cut Support (HPCS) – immediate cutting Fast Spark Monitor (FSM) – optimized cutting power | | Versatile coagulation technology | |

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