

Generating Simplicity

HF Generator ESG-150



SIMPLY SMART ...

ESG-150 Is User-Friendly and Offers Outstanding Effectiveness

Olympus understands the specific demands of modern electrosurgery, so it knows how important it is to have a safe, dedicated energy source to maintain the precision physicians require in their work.

... At the Simple Touch of a Button

A simple, intuitive touch-screen interface means users can easily set up the system to meet their personal needs in just a few steps.

... Supports User Level

The user can choose between two user levels: advanced and basic. The advanced level is best for users that want to precisely adjust their HF settings and have maximum control. The basic level is ideal for users that prefer ease of use and the ability to quickly adapt the HF settings required for the procedure.

... Offers You Guidance

The smart assistance messaging system provides simple and easily understandable feedback that empowers users to confidently operate and troubleshoot the ESG-150.

... Talks Your Language

A choice of 29 display languages means users can understand and operate the system with ease.

... Provides Advanced Safety

The power range within the basic user level is limited to a reasonable amount to avoid unintended excessive power output. This results in additional safety for the user and the patient.



... Built On Experience

Fast Spark Monitor – measures spark intensity during cutting procedures, automatically adjusting power output to achieve reproducible tissue effects and enhanced protection of EndoTherapy instruments.

High-Power Cut Support – immediate spark ignition enables cutting without initial delays, which means superior cutting performance.

Contact Quality Monitor – analyses contact resistance of the neutral electrode, reducing the risk of thermal injuries to the patient.

Leakage-Protection Sensor – measures and controls leakage current, reducing the risk of unintended harm to the patient or user.

Monopolar HF Modes

Cut Modes

PureCut

Continuous cutting mode with low coagulation effect

PulseCut Slow/Fast

Intermittent cutting mode which is commonly used for various endoscopic procedures

Coagulation Modes

SoftCoag

Slow and deep coagulation – optimal for coagulation of thick blood vessels

ForcedCoag

Fast and effective coagulation

High Power Cut Support (HPCS) – Immediate Cutting Fast Spark Monitor (FSM) – Optimized Cutting Power

Versatile Coagulation Technology



Technical data	
Olympus ESG-150	Specifications
High frequency	356 kHz \pm 20%
Type, protection class	CF, Class I
Power supply	AC 100 V to 120 V/AC – 220 V to 240 V, 50/60 Hz, 650 VA
Size (W x D x H)	295 x 400 x 115 mm
Weight, without foot switch	6.6 kg

Monopolar output	
Sockets	3-pin plugs: Pin \varnothing 4 mm (international/Valleylab standard) 1-pin plugs: Pin \varnothing 8 mm (Bovie standard) 1-pin plugs: Pin \varnothing 4 mm
Split neutral electrode	10 mm 2-pins
PureCut (Effect 1–3)	120 W @ 500 Ohms
PulseCut slow/fast (Effect 1–5)	120 W @ 500 Ohms
SoftCoag (Effect 1–5)	120 W @ 500 Ohms
ForcedCoag (Effect 1–5)	120 W @ 500 Ohms
Bipolar output	
Sockets	28.8 mm 2-pins and \varnothing 4/8 mm coaxial
BipolarCut (Effect 1–3)	100 W @ 500 Ohms
BiSoftCoag (Effect 1–3)	120 W @ 100 Ohms

Ordering Information				
Order No.	Description	Patient Weight	Contact Area	Unit
WA90150W	Electrosurgical generator “ESG-150”			
E0420539S	ESG-150 set incl. WA99516C			
WA99512C	Neutral Electrode, for newborns, with cable	< 5 kg	40 cm ²	15 pcs
WA99513A	Neutral Electrode, for children	5 – 15 kg	70 cm ²	100 pcs
WA99513C	Neutral Electrode, for children, with cable	5 – 15 kg	71 cm ²	15 pcs
WA99514A	Neutral Electrode, for adults	> 15 kg	140 cm ²	100 pcs
WA99514C	Neutral Electrode, for adults, with cable	> 15 kg	140 cm ²	15 pcs
WA99516A	Neutral Electrode, universal size	> 5 kg	110 cm ²	100 pcs
WA99516C	Neutral Electrode, universal size, with cable	> 5 kg	110 cm ²	15 pcs
WA99510A	Cable, for neutral electrode			
A02915A	HF-cable “MAJ-860”, monopolar, 2 m, UES-30, Erbe Intl. and Valleylab (new) HF-unit to SD handle			



Electrosurgical generator
(ESG-150)

As medical knowledge is constantly growing, technical modifications or changes of the product design, product specifications and accessories may be required.