

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

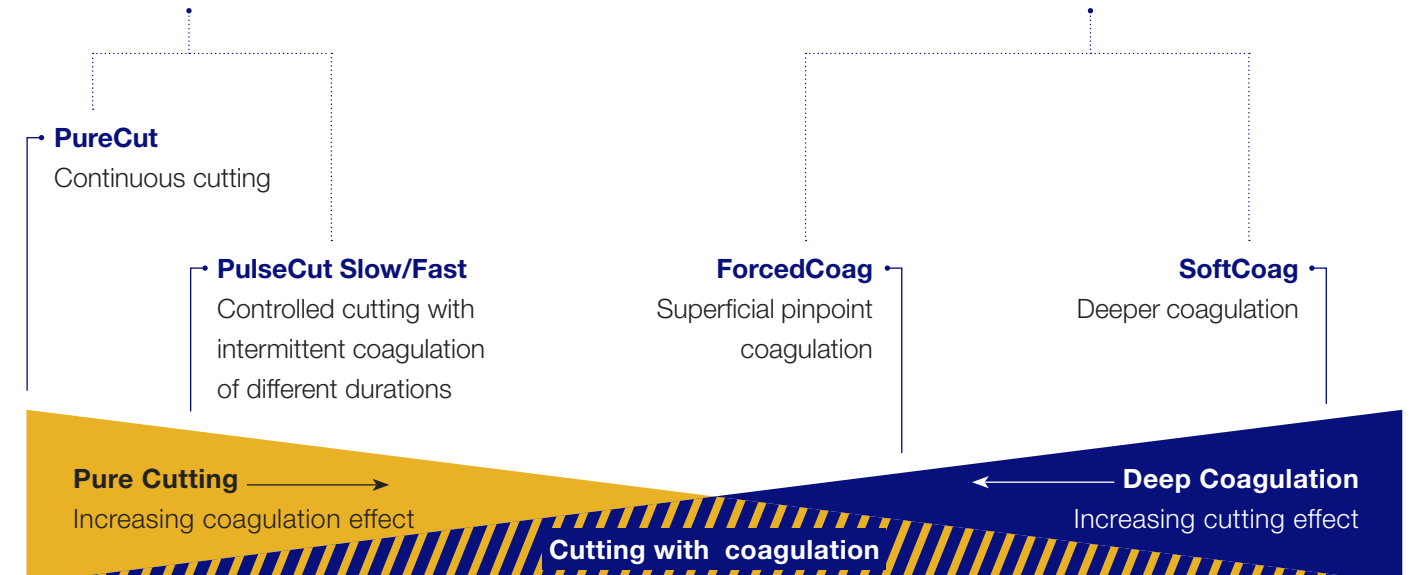
Slow and deep coagulation – optimal for coagulation of thick blood vessels

ForcedCoag

Fast and effective coagulation



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



Generating Simplicity

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	Contact Area
WA90150W	Olympus ESG-150, including foot switch	
WA99512C	Neutral Electrode, for newborns < 5 kg, 15 pcs, with cable	40 cm ²
WA99513A	Neutral Electrode, for children 5–15 kg, 100 pcs	70 cm ²
WA99513C	Neutral Electrode, for children 5–15 kg, 15 pcs, with cable	71 cm ²
WA99514A	Neutral Electrode, for adults > 15 kg, 100 pcs	140 cm ²
WA99514C	Neutral Electrode, for adults > 15 kg, 15 pcs, with cable	140 cm ²
WA99516A	Neutral Electrode, universal size > 5 kg, 100 pcs	110 cm ²
WA99516C	Neutral Electrode, universal size > 5 kg, 15 pcs, with cable	110 cm ²
A02915A	MAJ-860 active cord for ET instruments, 8 mm	
WA99510A	MAJ-814 connecting cable for disposable neutral electrode	



**Electrosurgical generator
(ESG-150)**

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

OLYMPUS

OLYMPUS SURGICAL TECHNOLOGIES EUROPE

Olympus Winter & Ibe GmbH
Kuehnstraße 61
22045 Hamburg, Germany
www.olympus-europa.com

