OLYMPUS

ESG-300

GENERATING SIMPLICITY

Real Power to Inspire Confidence



16525

REAL POWER ...

... In Gastroenterology and Respiratory

The Olympus portfolio of electrosurgical equipment allows physicians to cut, coagulate, and resect with confidence – secure in the knowledge that they are using an established and reliable treatment option.

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

In developing the ESG-300, Olympus has created a product dedicated to the needs of the endoscopist while overcoming the complexity associated with multi-purpose generators and focusing on providing a simple, safe, and smart source of energy.

... Meets Your Needs

The flexibility of simple operating modes for all key electrosurgical procedures coupled with enhanced confidence for users familiar with other systems.

Whether performing a routine polypectomy or a more complex procedure (like an ESD), the ESG-300 can adapt to meet all electrosurgical needs.

... Dedicated to You

The convenience to simply save several diathermy settings allows users to work with greater confidence and safety, saving time otherwise spent on manual selection.



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REAL POWER ...

... 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.

... With No Strings Attached

The operational freedom provided by the wireless foot switch allows safer placement in the theatre.

Simple, hands-free toggling of procedure settings – without the need to directly interact with the generator – means a more efficient user workflow.



... Offers You Guidance

The smart assistance messaging system provides simple and easily understandable feedback that empowers users to confidently operate the ESG-300.

... Talks Your Language

A choice of 29 display languages means users can understand and operate the system with ease, reducing the likelihood of any confusion.



REAL POWER ...



... Just Got Smart

The Argon Plasma Unit (APU-300) can be used in combination with the ESG-300 to provide advanced, superficial hemostasis.

The SmartArgon Mode – where the coagulation margin is independent of the distance between probe and tissue – supports consistent and safe hemostasis with reduced carbonization. Furthermore, the ability to limit the penetration depth of the plasma beam makes SmartArgon the perfect option for fragile tissue structures.

Depending on the target tissue, a choice of probes are available – lateral, axial, and radial – to allow for precise, selective coagulation.

... 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 – analyzes 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.

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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

BlendCut

Continuous cutting mode with increased coagulation effect – ideal for dissection

Coagulation Modes

SoftCoag

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

SprayCoag

Contact-free coagulation – optimal for POEM procedures

ForcedCoag

Fast and effective coagulation

PowerCoag

Fast and effective coagulation with increased dissection capability



ARGON PLASMA MODES

ForcedArgon

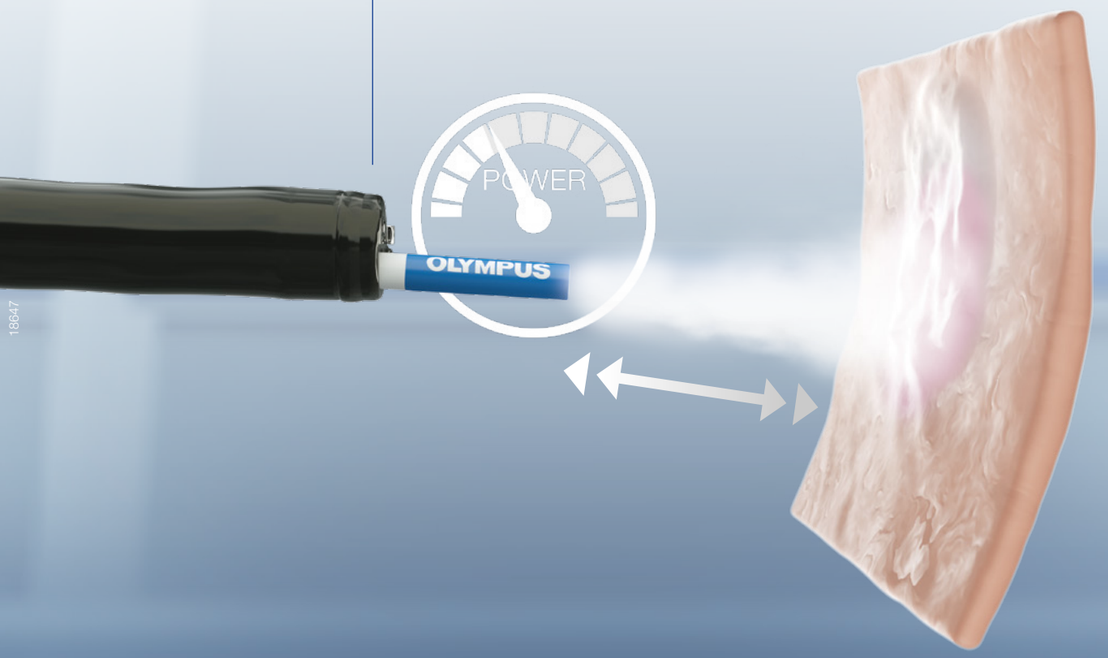
Continuous argon plasma beam with steady power output for fast and effective large area hemostasis and ablation

PulsedArgon Slow/Fast

Pulsed argon plasma beam with intermittent power output for a more controlled effect on tissue

SmartArgon

Detects distance to tissue and adjusts power automatically – especially suitable for fragile tissue structures such as the small bowel



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ADVANCED WORKFLOW AND USABILITY

Individual Settings and Procedures

1st Step

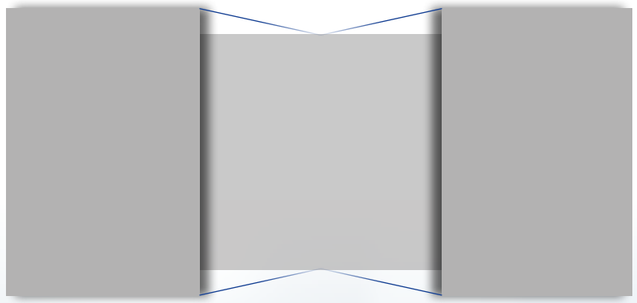
Create individual settings

2nd Step

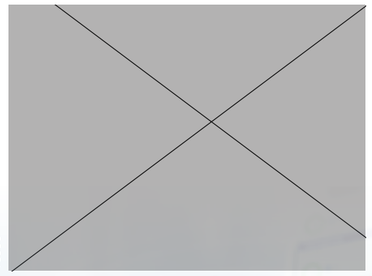
Combine settings to procedure

3rd Step

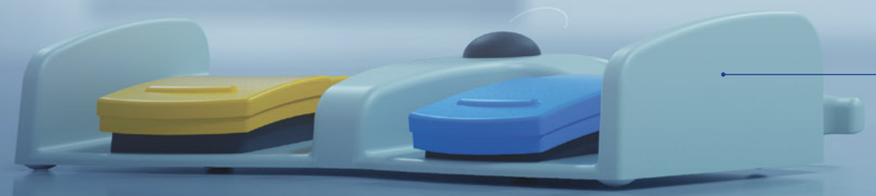
Toggle between settings by tapping the black button on foot switch



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Wireless foot switch

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ESG-300 – GENERATING SIMPLICITY

Electrosurgical generator
(ESG-300)

Drawer for accessories and cabling

System cart
(TC-E300)



Argon plasma unit
(APU-300)

Wireless foot switch

Flushing pump
(OFP-2)

Ordering Information

HF System Components

Order No.	Article	Description
WA90004W	APU-300	Argon plasma unit
WA94034W	Wireless foot switch	Including receiver and charger
WA94033C	Wired foot switch	4 m cable
K10026806	TC-E300 (EU)	System cart, for most European countries
K10026805	TC-E300 (UK)	System cart, UK standard
WA94020A	HF cable EndoTherapy, monopol.	Active cord for ET instruments, 8 mm
WA99510A	NE cable	Connecting cable for disposable neutral electrode, 4.5 m
WA94041A	Pressure reducer	DIN 477-6, central and southern Europe
WA94042A	Pressure reducer	DIN 477-10, northern Europe
WA94043A	Pressure reducer	CGA no. 580, Italy
WA95621A	Power cable	4.5 m, with angled plug – many European countries, type E/F – EU
WA95623A	Power cable	4.5 m, with angled plug – United Kingdom and other countries, type E/F – UK

Argon Plasma Probes

Order No.	Article	Description	Length	Min. Working Channel Ø
WA94002A	PA-211U	Axial argon probe, 10 pcs, gastro/colo	2200 mm	2.8 mm
WA94003A	PA-212U	Axial argon probe, 10 pcs, colo	2200 mm	3.7 mm
WA94004A	PA-210Z	Axial argon probe, 10 pcs, entero	3000 mm	2.0 mm
WA94005A	PA-211Z	Axial argon probe, 10 pcs, entero	3000 mm	2.8 mm
WA94006A	PA-221U	Lateral argon probe, 10 pcs, gastro/colo	2200 mm	2.8 mm
WA94007A	PA-231U	Radial argon probe, 10 pcs, gastro/colo	2200 mm	2.8 mm

Neutral Electrodes

Order No.	Description	Contact Area
WA99512C	For newborns <5 kg, 15 pcs, with cable	40 cm^2
WA99513A	For children 5–15 kg, 100 pcs	70 cm^2
WA99513C	For children 5–15 kg, 15 pcs, with cable	71 cm^2
WA99514A	For adults >15 kg, 100 pcs	140 cm^2
WA99514C	For adults >15 kg, 15 pcs, with cable	140 cm^2
WA99516A	Universal size >5 kg, 100 pcs	110 cm^2
WA99516C	Universal size >5 kg, 15 pcs, with cable	110 cm^2

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

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