

ENDO

gastroenterology in mind



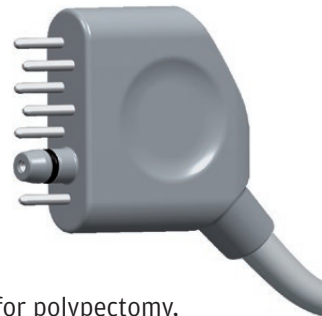
It is a **compact device** that offers functionality which so far was available only in large, complicated electro-surgical equipment.

ENDO makes it possible to perform **all endoscopic procedures** that require specialised cutting modes, monopolar and bipolar endoscopic coagulation.

An **integrated argon module** makes it possible to employ all the advantages of argon plasma in endoscopic procedures.



















The **SDSA argon plug** with an integrated argon connection ensures that it is easy and convenient to connect and use the argon instruments.



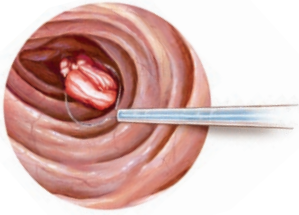



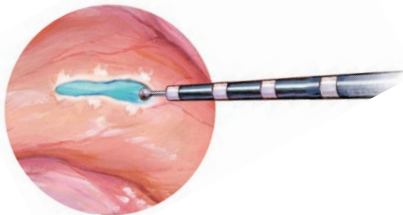

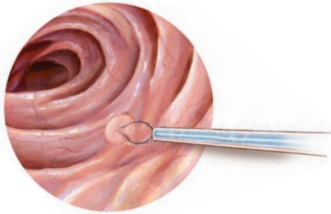

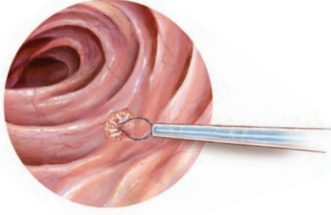

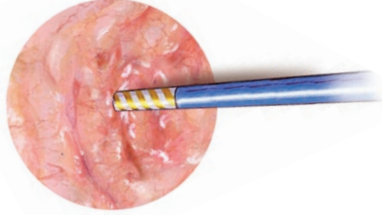

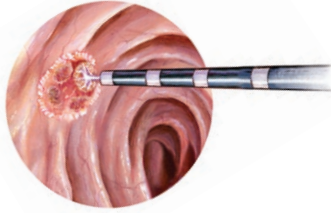

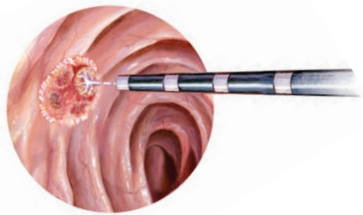

- advanced endoscopic cutting modes for polypectomy, sphincterectomy, mucosectomy
- special monopolar coagulation modes for endoscopic procedures
- argon plasma coagulation in standard and pulse mode
- automatic regulation of working parameters on the basis of real-time measurements
- instantaneous and average power monitor that enables the operator to control the device's working parameters
- colour touch screen and system for recognition of connected instruments, SDS
- control system for the neutral electrode - NEM, and the EMED SAFE electrode that guarantee safety of the procedure
- three-pedal footswitch to activate cutting, coagulation and argon plasma modes
- dedicated trolley with case for argon cylinder and handy basket for accessories and cables ensure comfort and ergonomic conditions in the surgery theatre.

MODES REVIEW

MODES	MODES DESCRIPTION	INSTRUMENT	APPLICATION	RECOMMENDED SETTINGS
 POLIPO CUT	Monopolar cutting for endoscopic procedures. Necessary for polyp removal. Alternating cutting and coagulation ensures optimum coagulation and reduces the risk of bleeding.		Polyps resection.	Pedunculated polyps - EFFECT 3-4 Flat polyps 5-15mm - EFFECT 2 Flat polyps 15-25mm - EFFECT 3 Flat polyps 25-35mm - EFFECT 4 Flat polyps > 35mm - EFFECT 5
 PAPILLO CUT	Monopolar cutting for endoscopic procedures. Used for cutting Vater's papilla during a papillotomy procedure. It ensures safe cutting with the optimum hemostatic effect.		Incision of Oddi's sphincter (sphincterotomy). Incision of the ampulla.	EFFECT 1-2
 MUCO CUT	Monopolar cutting for mucosectomy procedures. A specialized endoscopic cutting mode for mucosectomy procedures. Pulsed cutting current and precise pulse duration enable safe and fast cutting in endoscopic submucosal dissection (ESD) and endoscopic mucosal resection (EMR) procedures.		Endoscopic mucosal resection (EMR) Endoscopic submucosal dissection (ESD)	EFFECT 6-7
 ENDO COAG	Monopolar endoscopic coagulation. It is used for additional haemostasis in polypectomy and marking the lesions.		Haemostasis of surface haemorrhage. Marking lesions for resection. Removing small pedunculated polyps.	Haemostasis - EFFECT 5-6 Marking lesions - EFFECT 3-5 Pedunculated polyps resection - EFFECT 6-7
 ENDO SPRAY	Monopolar endoscopic coagulation. It is used for quick haemostasis of local haemorrhages.		Haemostasis of surface haemorrhage. Marking lesions for resection.	Haemostasis in polypectomy - EFFECT 3-4 Haemostasis in mucosectomy - EFFECT 8-9 Marking lesions - EFFECT 6-7
 ENDO BI-COAG	Bipolar coagulation for endoscopic procedures. Soft hemostasis without carbonisation of the tissue.		Haemostasis of small haemorrhage along the entire gastrointestinal tract.	EFFECT 3
 PLASMA	A gentle argon coagulation mode designed for endoscopic procedures. The application of argon plasma enables highly effective coagulation at lower power settings.		Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devitalisation of tumours.	Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devitalisation of tumors - EFFECT 35-40, argon 1.5 l/min.
 PULSE PLASMA	Designed for sites where there is a serious risk of perforation. Current is delivered in short impulses, which lowers the amount of energy delivered to the tissue.		Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devitalisation of tumours.	Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devitalisation of tumors - EFFECT 35-40, argon 1.5 l/min.

APPLICATION REVIEW

PLEASE NOTE: This information on recommended settings and different application sites and the use of instruments is all based on EMED's clinical experience, surgeons may prefer settings other than those recommended here. These settings are only intended as guidelines. Depending on individual circumstances, surgeons may need to use different settings from the ones listed above.

APPLICATION		MODES	RECOMMENDED SETTINGS
<p>Polyps resection.</p>		 <p>POLIPO CUT</p>	<p>Pedunculated polyps - EFFECT 3-4 Flat polyps 5-15mm - EFFECT 2 Flat polyps 15-25mm - EFFECT 3 Flat polyps 25-35mm - EFFECT 4 Flat polyps > 35mm - EFFECT 5</p>
<p>Incision of Oddi's sphincter (sphincterotomy). Incision of the ampulla.</p>		 <p>PAPILO CUT</p>	<p>EFFECT 1-2</p>
<p>Endoscopic mucosal resection (EMR) Endoscopic submucosal dissection (ESD)</p>		 <p>MUCO CUT</p>	<p>EFFECT 6-7</p>
<p>Haemostasis of surface haemorrhage. Marking lesions for resection. Removing small pedunculated polyps.</p>		 <p>ENDO COAG</p>	<p>Haemostasis - EFFECT 5-6 Marking lesions - EFFECT 3-5 Pedunculated polyps resection - EFFECT 6-7</p>
<p>Haemostasis of surface haemorrhage. Marking lesions for resection.</p>		 <p>ENDO SPRAY</p>	<p>Haemostasis in polypectomy -EFFECT 3-4 Haemostasis in mucosectomy - EFFECT 8-9 Marking lesions - EFFECT 6-7</p>
<p>Haemostasis of small haemorrhage along the entire gastrointestinal tract.</p>		 <p>ENDO BI-COAG</p>	<p>EFFECT 3</p>
<p>Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devascularisation of tumours.</p>		 <p>PLASMA</p>	<p>Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devascularisation of tumours - EFFECT 35-40, argon 1.5 l/min.</p>
<p>Bleeding from angiodysplastic lesions. Bleeding post polypectomy. Residual tissue removal after polypectomy. Bleeding from cancerous lesions in the stomach and colon. Devascularisation of tumours.</p>		 <p>PULSE PLASMA</p>	<p>Haemostasis - EFFECT 15-25, argon 1.5 l/ min. Devascularisation of tumours - EFFECT 35-40, argon 1.5 l/min.</p>

ENDO accessories



100-600 Electrosurgical unit ENDO



Disposable neutral electrode EMED SAFE

812-80H hydrogel split, for adults and children, 176x122mm, 110cm²



Disposable neutral electrode cable

380-030 L: 3m, flat plug

Flexible argon probe, reusable



flat plug

932-148 dia. 1,5mm, length. 1,5m

932-149 dia. 2,3mm, length. 2,2m

932-150 dia. 3,2mm, length. 2,2m

TinyLine trolley

080-060 with argon cylinder case for electrosurgical units



Three-pedal footswitch



6-pin plug

100-316 Three-pedal footswitch, cable 5m, 6 pin plug



wireless

100-336 Three-pedal footswitch, MultiSwitch, wireless

Monopolar cable



flat plug

432-46A Monopolar cable for argon flexible electrode, flat connector, L: 3,5m, SDSA plug



281-03S Monopolar endoscopic cable, L: 3m, 3mm female, SDS plug

Argon Cylinder

100-051 5L

empty housing- with no gas

100-151 10 L

empty housing- with no gas



Argon regulator



5501640 P300-P40EMED, DIN 477/6 (Europe)

5501565 P300-PP40EMED, DIN 477/6, with pressure sensor



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