



French leader in electrosurgery since 1947

## Optima



Universal electrosurgical platform with microprocessors of the latest generation providing energies adapted in real time to the evolution of the tissues (Power Feedback)

Reference: **V10GOPT4**

**370 W**  
**Full electrosurgical unit**



370 W complete electrosurgical unit,  
with a wide range of  
monopolar and bipolar effects

**Endosection**



Specific waveforms  
dedicated to  
endoscopic polypectomy

**Argon system**



Argon Plasma Coagulation  
with the optional Argon module for a complete solution  
for the hepatic and endoscopic surgery

**PLASMA™**  
**EDGE**



The gold standard of bipolar plasma resection  
dedicated to bipolar TUR  
and hysteroresection

**THERMOCISION**



A unique all-in-one system, which can  
seal, dissect and cut,  
dedicated to ENT and other delicate procedures

**Vessel sealing**



Safe and efficient up to 7 mm diameter,  
with an acoustic validation signal  
at the end of the sealing cycle

LAMIDEY NOURY MEDICAL

Z.A. Les Godets • 3, rue des Petits Ruisseaux • 91370 Verrières-le-Buisson • France  
Phone: +33 1 69 20 69 69 • Fax: +33 1 60 13 97 47 • [info@lamidey-noury.fr](mailto:info@lamidey-noury.fr) • [www.lamidey-noury.com](http://www.lamidey-noury.com)  
RCS Evry 445 145 105 • Siret 445 145 105 00018 • TVA FR 49445145105 • Code APE 3250A



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### SPECIAL FEATURES

- Weight : 12Kg / Dimensions : 420mm x 190mm x 430mm (Width x Height x Depth)
- Friendly user interface with an **LCD touch screen** with 170,4 x 127,8 mm size
- Library of more than **80 programs** for all surgical specialties
- Saving more than **1000 personal programs**
- 4 High Frequency outlets: 2 monopolar and 2 bipolar



- Saline cut under saline irrigation with Plasma EDGE technology:
  - TURP/TURB
  - Intra-uterine resection TCRE
- Fulguration / Spray coagulation, without contact
- Optional module for Argon
- Twin simultaneous coagulations
- Recognition and traceability of vessel sealing instruments
- **Reusable cutting and sealing** forceps:
  - \* **THERMOCISION™** forceps:
    - Completely **reusable**
    - **Dissection, sealing and cutting** of the vessels in one act
  - \* **THERMOCUT™** forceps:
    - Fully **reusable and autoclavable**
    - Safe and efficient sealing up to 7 mm diameter vessels
    - Completely dismountable for a full cleaning
    - Single use blade
    - Cable not attached
  - \* **THERMOCLAMP™** forceps:
    - Fully **reusable**
    - **Open surgery** forceps in **16, 22 and 32 cm**

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INPUT FEATURES	
<i>Main supply</i>	220 - 240 V ~ (or option 110 - 120 V ~), 50/60 Hz
<i>Safety</i>	Class 1, CF type
<i>Maximum power</i>	1200 VA (600 W)
OUTPUT FEATURES	
<i>Waveform</i>	Pure sinewave and pulsed sinewaves
<i>Fundamental frequency</i>	450 kHz
<i>Modulation frequency</i>	21 kHz

MONOPOLAR CUTS	
<b>AUTOCUT:</b>	
<i>PURE CUT</i>	360 W / 250 $\Omega$
<i>BLEND 1</i>	330 W / 250 $\Omega$ , light hemostatic effect
<i>BLEND 2</i>	320 W / 250 $\Omega$ , deep hemostatic effect
<i>ENDOCUT 1 / 2</i>	200 W / 250 $\Omega$ , for gastrointestinal endoscopy (polypectomies)
<b>FORCED CUTS:</b>	
<i>FORCED PURE CUT</i>	370 W / 450 $\Omega$ , forced cut
<i>FORCED BLEND 1</i>	340 W / 450 $\Omega$ , forced cut with a light hemostatic effect
<i>FORCED BLEND 2</i>	330 W / 450 $\Omega$ , forced cut with a deep hemostatic effect
<i>SPHINCTEROCUT</i>	200 W / 450 $\Omega$ , pulsed cut for sphincterotomy

MONOPOLAR CUTS UNDER LIQUID ( <i>Glycine solution</i> )	
<i>UROGUT P</i>	350 W / 450 $\Omega$ , for transurethral resection of the prostate (TURP)
<i>UROGUT B</i>	350 W / 450 $\Omega$ , for transurethral resection of the bladder (TURB)
<i>HYSTEROCUT</i>	320 W / 250 $\Omega$ , autocut for hysteroscopic resection (TCRE)

MONOPOLAR COAGULATIONS	
<i>SOFT COAGULATION</i>	170 W / 250 $\Omega$ , soft contact coagulation <i>for vascular surgery, pediatric and microsurgery</i>
<i>DESICCATION</i>	210 W / 450 $\Omega$ , forced contact coagulation for all surgeries
<i>FULGURATION</i>	100 W / 750 $\Omega$ , non-contact coagulation (spray coagulation) for hemostasis of large area
<i>TEAM COAGULATION</i>	100 W / 750 $\Omega$ , simultaneous coagulation from 2 monopolar outputs

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Coagulation with ARGON <sup>1</sup> (in option), gas flow: 0 to 10 L/min		
CUT UNDER ARGON	Forced cut, 200 W / 450 Ω, under argon jet stream	
COAGULATION UNDER ARGON	Forced contact coagulation, 100 W / 450 Ω, under argon jet stream	
ARGON PLASMA COAGULATION	Coagulation by ionized gas, 100 W / 750 Ω (open surgery)	
PULSED ARGON PLASMA	Coagulation by ionized gas by impulsions, 100 W / 750 Ω (gastrointestinal endoscopy), 3 intervals (ms) t1: 100; t2: 250; t3: 400	
Note 1: ARGON modes require an optional module for the control of the Argon gas flow		
BIPOLAR CUT		
PURE CUT	200 W / 150 Ω, cut for the use of bipolar scissors	
PLASMA EDGE CUTS UNDER LIQUID <sup>2</sup> (NaCl 0,9%)		
THIN LOOP	TURB and TCRE (intra-uterine resection)	250 W / 300 Ω (display 160)
THICK LOOP	TURP	
VAPORIZATION	TURP and TCRE (intra-uterine resection)	
BIPOLAR COAGULATIONS		
SOFT COAGULATION	100 W / 25 Ω, for neurosurgery and laparoscopic surgery on vascularized tissues	
FORCED COAGULATION <sup>2</sup>	170 W / 75 Ω (display 100%), for all tissues (vascularized and adipose)	
SALINE COAGULATION <sup>2</sup>	140 W / 75 Ω, for resections under saline solution (Plasma Edge mode)	

Note 2: The output power displays in the modes covered by this note are relative displays. (see the power curves in the technical manual of the device)

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#### VESSEL SEALING SYSTEM

Maximum power: 150 W / 30  $\Omega$

Sealing of vascular walls up to 7 mm of diameter with reusable thermofusion forceps

The jaws are completely insulated: the thermal spread doesn't exceed 2 mm

Reverse action mode for **THERMOCUT™** handle: the clamping pressure is superior to 700 mmHg

**THERMOCLAMP™** forceps for open surgery, with a vessel clamping device

**THERMOCUT™** 10 mm diameter forceps for open surgery (20 cm) and laparoscopy (30 cm), with vessel autoclamping system and integrated cut system, straight jaws width 10 mm

**THERMOCUT™** 5 mm diameter forceps for open surgery (20 cm) and laparoscopy (30 cm), with vessel autoclamping system and integrated cut system

**THERMOCISION™** forceps for dissection, hemostasis and cutting in one act (thyroidectomies)

Automatic output power pre-adjustment following connected forceps

**THERMOCONTROL™** program: vessel sealing process monitoring, with sound signal at the end of the cycle and diagnosis of vessel sealing incident

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ERGONOMICS	
<i>User interface</i>	Color LCD touch screen
<i>HF power display</i>	Digital display of the maximum power (Watt max.), except for bipolar forced coagulation displayed in % of maximum power
<i>Adjustments</i>	1 W / step on the touch screen
<i>Memorizations</i>	Storage of the setting parameters: selections of the cut and coagulation modes, powers adjustments
<i>Automatic bipolar coagulation</i>	Automatic activation and stop of the bipolar coagulation, by sensing the tissues contact impedance on the forceps tips. 3 available activation delays
<i>Personal programs</i>	Memorization of the surgeons' personal adjustments ( <i>possible memorization of several thousand personal adjustments</i> )
<i>MONOPOLAR OUTPUTS</i>	2 outputs for international plugging for hand switches with a 3-pin in-line plug, or for cable with one 4 mm diameter male plug
<i>BIPOLAR OUTPUTS</i>	2 outputs for plugging cables with 2-pin 4 mm diameter male plug (interaxial spacing 28.5 mm)
<i>Twin footswitches</i>	1 socket for controls in: <ul style="list-style-type: none"> <li>• Monopolar and bipolar cuts</li> <li>• Monopolar and bipolar coagulations</li> </ul>
<i>Single footswitch</i>	2 sockets for controls in: <ul style="list-style-type: none"> <li>• Bipolar coagulations</li> <li>• Vessel sealing / <b>THERMOCISION™</b></li> </ul>
<i>Hand controls</i>	Hand switches for monopolar cuts and coagulations control and for vessel sealing control on <b>THERMOCUT™</b> cables

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SAFETIES	
<i>Neutral electrode safety</i>	Monitoring of the skin contact with a single use adhesive split plate Audible and visual alarm in case of a contact failure or a short circuit, or an electrical discontinuity with inhibition of the HF power Compatible with adult and pediatric plates
<i>Neonatal plates safety</i>	Limitation of monopolar output power up to 50 W, when used with neonatal adhesive double plate
<i>Single plates (option)</i>	Monitoring of the electrical continuity between the unit and the neutral electrode
<i>HF power control</i>	Monitoring of the emitted HF power, with an automatic emission shutdown in case of an excessive HF power (IEC 60601-2-2)
<i>HF leakage currents</i>	$I_{hf} < 100 \text{ mA} / 200 \Omega$ ( $< 130 \text{ mA} / 200 \Omega$ in fulguration mode)
<i>Electrical safeties</i>	Class 1, CF type ( $I_{lf} < 1 \mu\text{A}$ in Normal Conditions) Defibrillation proof applied parts Short circuit protection $> 10 \text{ s}$
<i>Thermal safeties</i>	Forced ventilation
<i>HF voltage</i>	Regulated (automatic limitation of the voltage)
<i>Limitation of the activation time</i>	Automatic stop after one minute of continuous activation. The normal working is restored after the interruption of the control
<i>Auto checking</i>	When powered on, the unit checks all the connected accessories and internal circuits

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