

Megadyne™

Value analysis summary

MEGADYNE™ Electrosurgical Generator



MEGADYNE™ Electrosurgical Generator

Executive overview

The ETHICON MEGADYNE™ Electrosurgical Generator is designed to provide **simply smart performance**.¹⁻⁴

With robust functionality, a streamlined user-friendly design and proprietary technology for optimized energy delivery, the MEGADYNE™ Electrosurgical Generator is **a simple yet smart choice** for powering the core energy devices critical to performing surgery.⁵ Together with the ETHICON GEN11 Generator and the MEGADYNE™ Smoke Evacuator, the **MEGADYNE™ Electrosurgical Generator**:

- Offers a customizable capital energy solution for assessing your surgery suite goals
- The ETHICON MEGADYNE™ Electrosurgical Generator is simply smart.^{1,3,6}



MEGADYNE™ Electrosurgical Generator

Simple **user experience**



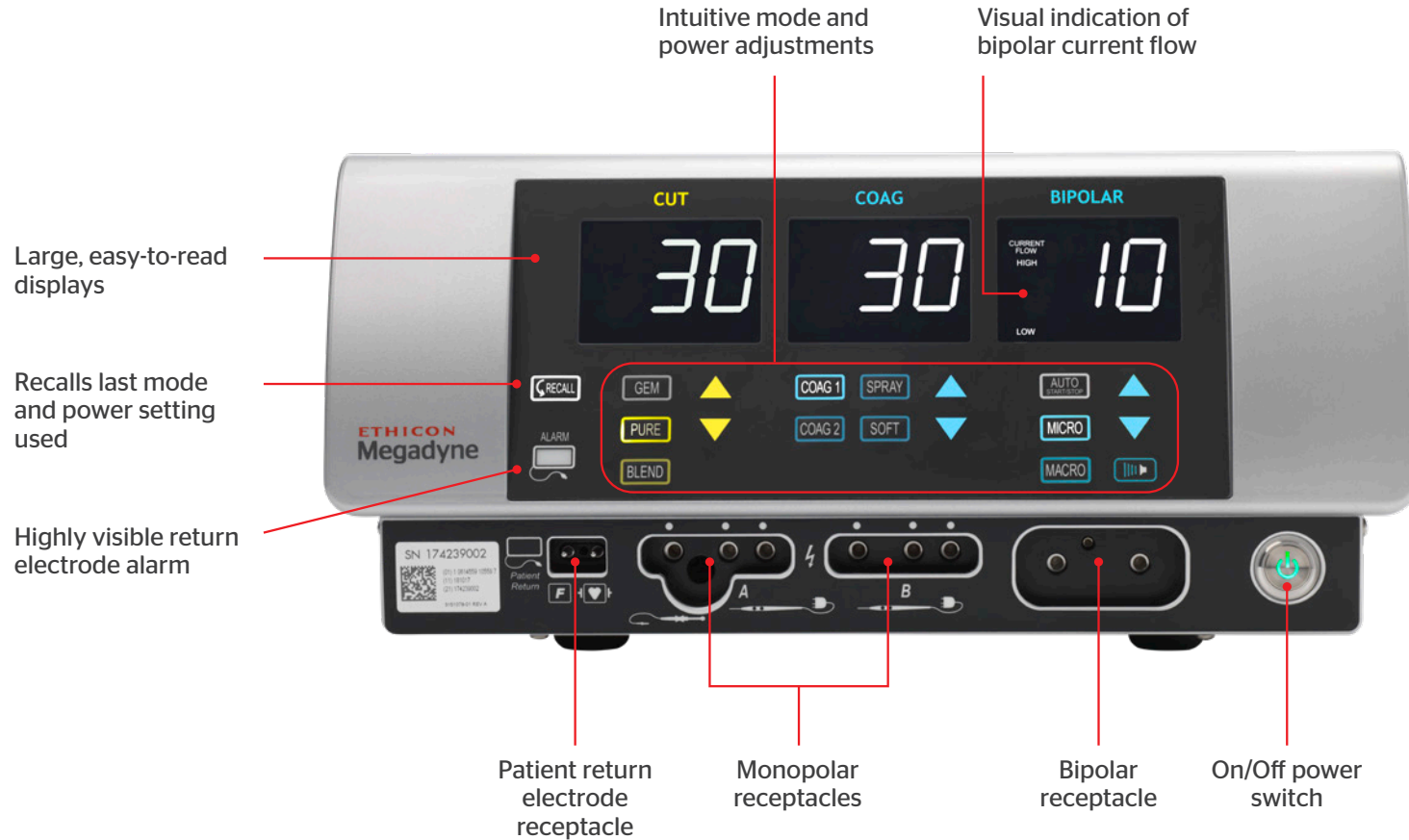
100%
of nurses agreed the
ETHICON MEGADYNE™
Electrosurgical Generator
is easy to use.^{1-3*}

* 18 out of 18 (100%) nurses surveyed agreed following use of the generator in a pre-clinical assessment

1. Ethicon, MKT-DOC-001, Golden Gate Marketing Claims Memo, Sept 2019, Data on File (132630-200217)
2. Ethicon, ENG-PRT-625, Summative Usability and Design Validation Protocol, June 2019, Data on File (132630-200217)
3. As Per Instructions For Use (132630-200217)

MEGADYNE™ Electrosurgical Generator

Simple interface



MEGADYNE™ Electrosurgical Generator

Simple display

The power displays of the ETHICON MEGADYNE™ Electrosurgical Generator are **easy to read in multiple OR lighting conditions.**^{1,2*}



Simply smart **functionality**



The ETHICON MEGADYNE™ Electrosurgical generator provides multiple cut, coagulation, bipolar modes and power settings to **optimize the delivery of energy** for the targeted tissue.^{1,2,5}

Cutting

PURE CUT MODE Provides a standard cutting effect.¹

BLEND MODE Provides a combination of cutting and coagulation¹

GEM MODE The Geometric Electron Modulation (GEM) mode of the ETHICON MEGADYNE™ Electrosurgical Generator automatically controls the output power of the generator to provide a consistent cutting effect¹

The **GEM High mode** of the ETHICON MEGADYNE™ Electrosurgical Generator is designed to provide surgical speed and efficiency.^{2-4*}

The **GEM Low mode** of the ETHICON MEGADYNE™ Electrosurgical Generator provides approximately half the power of GEM high mode and is designed to provide tactile feedback.^{2-4*}

Coagulation

COAG 1 MODE Is designed to allow the active electrode to efficiently move through tissue for coagulation with dissection¹

COAG 2 MODE Delivers a more gradual onset of energy that results in a mild delivery of coagulation with dissection¹

SPRAY Is designed to provide hemostasis in a broader area with less depth of tissue damage when compared to desiccation¹
(fulguration mode)

SOFT COAG MODE Which is designed to provide coagulation and desiccation at a slow rate with deep thermal penetration¹

Bipolar

MICRO BIPOLAR MODE Is designed to deliver consistent power to provide a tissue effect for all standard bipolar applications.¹ Micro Bipolar mode is designed to deliver a precise and controlled bipolar

MACRO BIPOLAR MODE Delivers a rapid onset of power and higher voltage power output compared to Micro Bipolar¹

AUTO The Auto Bipolar feature of the ETHICON MEGADYNE™ Electrosurgical Generator is designed to remove the need for a bipolar footswitch¹

*When used in combination with a MEGADYNE ACE/GEM electrode

1. As Per Instructions For Use (133027-200220, 126158-191023, 133030-200220, 133026-200220, 136500-200408, 133034-200220, 136502-200408, 136505-200408, 133035-200220, 136511-200408, 136512-200408, 136506-200408) 2. Ethicon Megadyne Electrosurgical Generator (MEGEN1) Technical Design Memo, February 2020, Data on File (132811-200218, 132808-200218) 3. GEM Technical Monograph, October 2017, Data on File (133027-200220, 132811-200218, 132808-200218) 4. Ethicon Megadyne ESU Thermal Effects on Tissue, December 2018, Data on File (132811-200218, 132808-200218) 5. Ethicon, ENG-PRT-625, Summative Usability and Design Validation Protocol, June 2019, Data on File (133027-200220)

MEGADYNE™ Electrosurgical Generator

The ETHICON MEGADYNE™ Electrosurgical Generator is designed to **provide smart energy** delivery.^{1-3*}

The ETHICON MEGADYNE™ Electrosurgical generator is designed to optimize energy delivery to **minimize tissue damage** through proprietary software and algorithms.^{1-4*}



The ETHICON MEGADYNE™ Electrosurgical Generator provides:



expected tissue effects^{5-7**}



appropriate dissection speed^{5-7‡}



appropriate hemostasis^{5-7‡}



appropriate amount of thermal spread^{5-7‡}

* When used in combination with a MEGADYNE ACE/GEM electrode

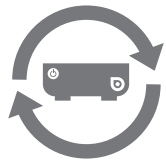
** 32 out of 34 (94.1%) surgeons surveyed agreed after using the Electrosurgical Generator in a preclinical assessment.

‡ 25 out of 25 (100%) surgeons surveyed agreed after using the Electrosurgical Generator in a preclinical assessment

‡ 33 out of 34 (97.1%) surgeons surveyed agreed after using the Electrosurgical Generator in a preclinical assessment.

MEGADYNE™ Electrosurgical Generator

Ethicon Energy is the complete choice for **value-driving solutions, training and support**



Complete portfolio

Consolidate suppliers by acquiring all your Energy capital needs in one place. Ethicon offers the most comprehensive portfolio of Intelligent Energy Solutions.*



Complete financing and placement options

A wide range of financing, placement and trade-in programs for Energy capital to provide a customized solution for your needs and any budget constraints.



Complete training

Energy education courses, training and other learning opportunities help the OR staff maintain licenses or certifications while staying up to date on OR safety standards, latest technologies and surgical techniques.



Complete customer support

Every day of the year, 24/7, a dedicated team of RNs and Biomed is ready to answer your questions and connect you to rich resources.

MEGADYNE™ Electrosurgical Generator

Helping advance **Core Energy**

The MEGADYNE™ Electrosurgical Generator is the power behind our expansive suite of Core Energy Solutions. Let us configure a package to meet your complete OR surgical needs and optimize energy delivery:



MEGADYNE™
Electrosurgical Generator



ETHICON
GEN11 Generator



MEGADYNE™
Smoke Evacuator



MEGADYNE™
Telescoping Smoke Evacuation
Soft Tissue Dissector







MEGADYNE™
Telescoping Smoke Evacuation
Pencil



MEGADYNE™ MEGA SOFT™
Universal Plus Reusable Patient
Return Electrode

MEGADYNE™ Electrosurgical Generator

Ordering information

Description		Catalog #	Quantity
MEGADYNE™ Electrosurgical Generator		MEGEN1	1
MEGADYNE™ Mega Cart with Top Shelf		1300SJ	1
Monopolar Footswitch (3m cable)		1400JJ	1
Bipolar Footswitch (3m cable)		1450J	1
Round Bipolar Footswitch		1459J	1
Monopolar Adapter		96007	1

Customer support

Please contact your local Ethicon Sales Representative.

For more information, visit:
www.jnjmedicaldevices.com

Please refer always to the Instructions for Use / Package Insert that come with the device for the most current and complete instructions.

Ethicon Endo-Surgery (Europe) GmbH
Hummelsbütteler Steindamm 71
22851 Norderstedt, Germany