



EA030 Electrosurgical Generator

TECHNICAL INFORMATION SHEET



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FEATURES

All-in-One System

The EA030 Voyant electrosurgical generator combines monopolar and standard bipolar energy modalities with the reliable hemostasis of Voyant advanced bipolar energy – all in one system.

Seamless Software Updates

The Voyant Intelligent Energy system delivers the latest technology through the device key, eliminating the need for generator software updates.

Enhanced Safety and Reliability

Calibration and verification checks are performed automatically during every startup, minimizing preventive maintenance.

Easy Preventive Maintenance

Output verification testing can be run at the touch of a button, the results being displayed on-screen.

Clinician-Driven Design

Developed in collaboration with surgeons and nurses, the EA030 generator features user-friendly navigation and clear tones.

Intuitive Interface

Automatic device and accessory recognition allow for quick setup – simply turn on the generator, connect a device, adjust the settings as needed, and it's ready to use.

Customizable Touchscreen

Displays settings for devices that are currently connected to the generator.



Acoustic Guidance

Provides users with real-time, intuitive feedback using distinctive pulsed tones.

Visual Guidance

Improves workflows and ease of use with clear LED port lighting, on-screen icons and troubleshooting instructions.

Monopolar Energy Safeguard

Stops delivering monopolar energy if the contact measurement of the grounding pad falls below 70%.



Footswitches

Enable monopolar or bipolar device activation and are included with the generator.

GENERATOR MAINTENANCE



- Periodic safety check steps:
 - Inspect the system and power cord for physical damage.
 - Automatically initiate the power-on self-test (POST) by turning on the generator.
 - Confirm that the audio tones are working.
 - Manually verify the calibration using the “Calibration Verification” test series.[†]
 - Perform an electrical safety test in accordance with IEC 60601-1.[‡]
- Electrical safety testing is recommended every **2** years, and periodic maintenance is recommended every **5** years.
- Instructions for manual calibration verification[†] are provided in the EA030 Voyant Electrosurgical Generator User Manual as well as in the maintenance guide (available upon request).
- The required EX240 verification adapter is provided with the Voyant electrosurgical generator.

EA030 Voyant ELECTROSURGICAL GENERATOR SPECIFICATIONS

Modalities	Generator Power Source (Operating Range)	Weight	Dimensions	Protection Against Electric Shock	Operating Parameters	Cooling	Conformance to Standards
Monopolar, standard bipolar, and advanced bipolar	100–240 V, 50–60 Hz, 8–4A	11.3kg (25lb.)	47.6cm (18.7in.) (D) x 38.1cm (14.6in.) (W) x 18.5cm (7.3in.) (H)	Class 1 equipment type CF applied parts (device port)	Ambient temperature range: 10°C to 40°C (50°F to 104°F) Relative humidity: 20% to 75%, non-condensing Atmospheric pressure: 700mbar to 1,060mbar	Fan-cooled	EN (IEC) 60601-1

FOOTSWITCH SPECIFICATIONS

Model	Modality	Weight	Dimensions	Waterproof Rating	Operating Parameters	Conformance to Standards
EA031	Monopolar	0.72kg (1.6lb.)	32.2cm (12.7in.) (D) x 18.8cm (7.4in.) (W) x 4.8cm (1.9in.) (H)	Ingress Protection IPX7	Ambient temperature range: -10°C to 40°C (14°F to 104°F) Relative humidity: 20% to 75%, non-condensing Atmospheric pressure: 700mbar to 1,060mbar	EN (IEC) 60601-1; CAN/CSA C22.2 No 60601-1; CAN/CSA C22.2 No 60601-1-14; ANSI/AAMI ES60601-1
EA032	Standard bipolar, advanced bipolar	0.35kg (0.78lb.)	15.0cm (5.9in.) (D) x 17.4cm (6.9in.) (W) x 4.4cm (1.73in.) (H)	Ingress Protection IPX7	Ambient temperature range: -10°C to 40°C (14°F to 104°F) Relative humidity: 20% to 75%, non-condensing Atmospheric pressure: 700mbar to 1,060mbar	EN (IEC) 60601-1; CAN/CSA C22.2 No 60601-1; CAN/CSA C22.2 No 60601-1-14; ANSI/AAMI ES60601-1

* The calibration verification procedure is the recommended method of performing RF output verification testing on the Voyant electrosurgical generator. If hospital policy requires that the generator also be tested with equipment external to the generator, please contact Applied Medical Device Support.

† Although calibration verification is recommended every five years, it is not required to install or commission the generator.

‡ Required information can be found in the specifications table on this page or in the EA030 Voyant Electrosurgical Generator User Manual.

Visit appliedmedical.com/voyant for more information.

Devices listed must be administered by a healthcare professional. Please contact your Applied Medical representative for more information on availability. This information is intended for dissemination exclusively to healthcare professionals and is not intended to replace labeling and Instructions for Use (IFU). Please refer to the IFU for the indications, contraindications, warnings, precautions, instructions and other information.

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