



EA020 Electrosurgical Generator

TECHNICAL INFORMATION SHEET



EA020 Voyant Electrosurgical Generator

Technical Information Sheet

FEATURES

- Advanced Energy

The EA020 Voyant electrosurgical generator is an advanced bipolar generator compatible with all Voyant devices.
- 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.
- Sleek and Simple Design

The Voyant generator boasts a small profile and a user interface that is easy to use.
- Plug and Play System

Simply turn on the generator and connect a Voyant device. The system is ready to use!

Acoustic Guidance

Operator awareness is obtained through the use of pulsed tones that indicate the seal cycle and the alarms.

Small Profile

The generator's light weight and small size make it easy to place in the operating room.

Voyant Cart

The Voyant cart has wheels with brakes and is in compliance with IEC 60601-1.

Adjustable shelves and a basket add utility to the cart.

The cart has a light frame and small profile for maneuvering around in the operating room.

Visual Guidance and User-Friendly Troubleshooting

An on-screen description explains each generator event, including alarms and possible solutions.

Easy Setup and System Self-Test

Three simple steps, and the system is ready for use:

1. Plug in the generator into a wall outlet.
2. Power on the generator by pressing the power button on the front of the generator.
3. Plug in the preferred advanced bipolar Voyant device.

Note:
An initial power-on self-test (POST) runs every time the system is turned on to verify that the alarm system and output are operational.

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.†
- Generator maintenance is recommended every **5** years.
- Instructions for manual calibration verification* are provided in the EA020 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.

NOTES

- Powering on the Voyant electrosurgical generator will initiate a **POST**. The POST performs memory and program checks, hardware checks, system communication checks, system version compatibility checks, system health checks and calibration verification.
- The provided **EX240 verification adapter** allows for an alternative method of calibration verification and does not require any additional external equipment.*



EA020 Voyant ELECTROSURGICAL GENERATOR SPECIFICATIONS

Modality	Generator Power Source (Operating Range)	Weight	Dimensions	Protection Against Electric Shock	Operating Parameters	Conformance to Standards
Advanced bipolar	100–240 V, 50–60 Hz, 7–3 A	6.6kg (14.5lb.)	35.1cm (13.8in.) (D) x 30.5cm (12.0in.) (W) x 11.3cm (4.4in.) (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: 700 to 1,060 mbar	EN (IEC) 60601-1

* 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.

† Required information can be found in the specifications table on this page or in the EA020 Voyant electrosurgical generator user manual.

The Voyant Fusion devices are bipolar, electrosurgical devices used in procedures where the ligation and division of vessels and tissue bundles is desired.

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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