

A Versatile, highly-adjustable electrosurgical unit that can easily keep pace with any dynamic operating room environment

The all-new DRE Citadel X3 features a color touchscreen, where clinicians can easily navigate between the many settings of the ESU. The DRE Citadel X3 is suitable for a wide range of procedures including Plastic Surgery, ENT, Endoscopy, Laparoscopy, Ophthalmology, Urology, Gynecology and Thoracic procedures.

Features:

- A stable, highly-adjustable ESU with TFT color touchscreen panel for easy, flexible operation.
- Internet connectivity and data logging capabilities.
- Patient return electrode monitor increases patient safety by preventing electrode site burns.
- Remote power settings allow clinicians to adjust mode and power from the sterile area.
- Data logging stores the last 50 surgical cases in system memory.
- System can run self-demonstration mode to display modes and settings.
- 100 different combinations of operating modes for virtually any procedure.
- Two Vessel Sealing Modes for up to 7mm of tissue, with audio indication at completion. Alarm sounds if vessels are improperly sealed.
- Monopolar and bipolar capable with the appropriate accessories.
- Automatic tissue sensing starts and stops bipolar modes without footswitch activation.
- Audible feedback after completion of Bipolar coag reduces charring and sticking.
- Two simultaneous coagulation outputs with independent controls.
- Self-diagnostic protocols help to ensure all parts and accessories are properly functioning.
- Durable, Waterproof footswitches and pedals.
- Optional — Timeout function automatically stops the HF output in the event of an unintended activation.
- Optional — Citadel ESU mobile cart, argon beam coagulation, ultrasonic aspirator, smoke evacuator and suction irrigation module.



Specifications:

- **Dimensions**
 - » Width: 16.5 in (42 cm)
 - » Depth: 17.7 in (45 cm)
 - » Height: 6.9 in (17.5 cm)
 - » Weight: < 16.53 lbs (7.5 kg)
- **Power**
 - » Operating voltage: 180-265 V AC
 - » Max. Power input: 1000 VA
 - » Fuse: 4 A
 - » UPS Backup: 1.5 KVA
- **Monopolar Autocut**
 - » Seven modes, 390 kHz
 - » Low Cut: Continuous output, 400 W at 300 Ω , CF 1.5, Low Volt
 - » Pure Cut: Continuous output, 400 W at 300 Ω , CF 1.5
 - » Blend1: Bursts at 29 kHz, 250 W at 300 Ω , CF 2
 - » Blend2: Bursts at 29 kHz, 200 W at 300 Ω , CF 2.6
 - » Endo1: Pulse output, 400 W at 300 Ω , CF 1.5 Low Pulse Intr.
 - » Endo2: Pulse output, 400 W at 300 Ω , CF 1.5 High Pulse Intr.
 - » Hydro: Continuous output, 400 W at 300 Ω , CF 1.5, Rapid
- **Monopolar Coag**
 - » Seven modes: 460 kHz
 - » Soft: Continuous output, 300 W at 300 Ω , CF 1.5, Low Volt
 - » Desiccate: Repetition frequency 83 kHz, 200 W at 500 Ω , CF 5.0
 - » Swift: Repetition Frequency 53 kHz, 120 W at 500 Ω , CF 6.2
 - » Force: Repetition Frequency 29 kHz, 120 W at 500 Ω , CF 7.0
 - » Spray: Repetition Frequency 24 kHz, 120 W at 500 Ω , CF 8.0
 - » Hi-Spray: Repetition Frequency 13 kHz, 70 W at 500 Ω , CF 10.0
 - » Hydro: Repetition Frequency 29 kHz, 120 W at 500 Ω , CF 7.0
- **Saline Resection Mode**
 - » Four modes, 440 kHz
 - » Low Cut: Continuous output 300 W at 100 Ω , CF 1.5, LV
 - » Standard Cut: Continuous output 300 W at 100 Ω , CF 1.5 HV
 - » Soft Coag: Continuous output 200 W at 100 Ω , CF 1.5 LV
 - » Force Coag: Continuous output 200 W at 100 Ω , CF 1.5 HV
- **Bipolar Coag**
 - » Five modes, 440 kHz
 - » Micro: Continuous output, 120 W at 100 Ω , CF 1.5, Low Volt
 - » Standard: Continuous output, 120 W at 100 Ω , CF 1.5, Medium Volt
 - » Force: Continuous output, 120 W at 100 Ω , CF 1.5, High Volt
 - » Bip Cut: Continuous output, 120 W at 100 Ω , CF 1.5, Low Volt
 - » Macro Cut: Continuous output, 120 W at 100 Ω , CF 1.5, High Volt
- **Vessel Sealing**
 - » Two modes, 440 kHz
 - » Fine seal: Low Pulse output, 5 levels, 150 W at 100 Ω , CF 1.5
 - » Rapid seal: High Pulse output, 5 levels, 150 W at 100 Ω , CF 1.5
- **Feedback System**
 - » 3 Microprocessor Controlled 6SENSE Technology with sampling rate about 4000 sense/second.
 - » Maximum output power deviation < 15% or 5 watts, whichever is greater at any setting with PER-98
- **Leakage Currents**
 - » RF leakage current: Monopolar < 150 mA rms, Bipolar < 60 mA rms
 - » Low Frequency leakage currents: Normal polarity - intact ground < 10 μ A, Normal polarity - ground open < 50 μ A