



The **Medtronic Covidien Force Triad** energy platform is a full-featured electro-surgical system that provides electro-surgical cutting and coagulation, bipolar functionality, and vessel sealing in a single generator. This Electro-surgical unit is intended for open and laparoscopic surgical procedures and includes; TissueFect, ValleyLab, and LigaSure fusion technologies. It features a user-friendly interface with three touchscreens that allow the user to control the system functions.

Features

- TissueFect sensing technology to precisely manage energy delivery.
- Enhanced LigaSure tissue fusion technology that fuses vessels up to 7mm, lymphatics, pulmonary vasculature and tissue bundles.
- ValleyLab mode that provides a unique combination of monopolar hemostasis and dissection.
- Automatic instrument recognition.
- Compatible with conventional electro-surgical instruments and all current and new LigaSure instruments.



Specifications

Dimensions

Height: 10" (25.5 cm)
Width: 18" (45.8 cm)
Depth: 20" (50.8 cm)
Max Weight: 30 lbs (13.6 kg)

General

Output Configuration: Isolated output
Cooling: Natural convection and fan
Display: Three LCD touchscreens
Connector Ports: LED illuminated Smart connector readers

Mounting Options

ForceTriad energy platform cart (FT900), Universal Mounting cart (UC8009), and/or the UC8010 Overshelf.
Operating room boom systems.
Any stable, flat surface such as a table or cart top.

REM Contact Quality Monitor

Interrogation frequency: 80kHz \pm 10 kHz
Interrogation current: < 100 μ A
Interrogation Voltage: <12V RMS

Autobipolar

Interrogation frequency: 80kHz \pm 10 kHz
Interrogation current: < 100 μ A
Interrogation Voltage: <12V RMS
Minimum Power: 5W
Activation Impedance: 20 ohm to 1000 ohm
Deactivation impedance: *User Selectable:* 1,500 ohm, 1,800 ohm, 2,000 ohm, or 2,200 ohm.
Keying Delay: User selectable in 500 msec increments from 0 sec to 2.5 sec.

Output Waveforms

Tissue Sensing Technology, an automatic adjustment, controls all modes. As tissue resistance increases from zero, the energy platform outputs constant current followed by constant power followed by constant voltage. The maximum output voltage is controlled to reduce capacitive coupling and video interference and to minimize sparking.

