

MEDTRONIC VALLEYLAB FT10



ABOUT

The Medtronic Covidien Valleylab FT10 energy platform delivers precise amounts of energy with improved performance for faster sealing and cutting times. The Built-in smart TissueFect, on the Covidien FT10, is a tissue sensing technology that improves the speed and consistency of current hand-held devices by reading tissue composition in real-time. TissueFect, on the Valleylab FT10, examines device performance 434,000 times per second, monitoring tissue impedance and allowing effective and efficient energy delivery. The Medtronic FT10 provides RF energy for monopolar and bipolar surgical applications as well as tissue-fusion and vessel-sealing applications. The Touchscreen is divided into four sections for user input and viewing capabilities. This Energy Platform (VLFT10GEN) will automatically detect coded handsets and configure the energy platform accordingly. Medtronic Valleylab offers a variety of Electrosurgical units, such as the Medtronic Covidien Valleylab Force Triad.

FEATURES

- 50% faster sealing times
- Lower jaw temperatures
- Auto bipolar has a faster activation time
- Monopolar performance is improved
- Power by smart generators that manage every energy delivery
- Improves all surgical applications.



SPECIFICATIONS



PHYSICAL SPECIFICATIONS

Height: 6.7 in (17 cm)

Width: 14.1 in (35.8 cm)

Depth: 18.2 in (46.25 cm)

Weight: 22.3 lbs. (10,1 kg)

PERFORMANCE

Faster Sealing Times: (1-4 seconds vs. 3-6 seconds with ForceTriad)

Lower max jaw temperature

Automatic power settings require minimal setup and minimize the need for further handling during surgery

Simple, intuitive controls and information displays

NEW ES SETTINGS

Soft Coag

TISSUEFFECT TISSUE SENSING TECHNOLOGY

Reads Tissue: 434,000 times per second

BIPOLAR CABLE COMPENSATION

Reads cable length and width for consistent electrosurgical output

Low

- Power Setting Ranges: Off, 1–15 W
- Peak Voltage: 133 V

Medium

- Power Setting Ranges: 16–40 W
- Peak Voltage: 214 V

High

- Power Setting Ranges: 45–95 W
- Peak Voltage: 462 V

UPGRADEABLE SOFTWARE

Ethernet connection (Has WiFi capabilities that are not yet enabled)

GENERAL

Output configuration: Isolated output

Cooling: Natural convection and fan

Display: 7 in. LCD touchscreen

Connector Receptacles: LED illuminated connector readers on the LigaSure/Bipolar receptacle

Enclosure: Magnesium

Operating System: Linx

INTERNAL MEMORY

Storage Capacity: 8 GB

LEAKAGE

Touch Current: < 100 μ A NC, < 500 μ A SFC

Earth Leakage Current: < 500 μ A NC, < 1000 μ A SFC

Patient Auxiliary Current (< 1kHz): < 10 μ A NC, < 50 μ A SFC

Patient Auxiliary Current (> 1kHz): Scaled with frequency per IEC 60601-1:2012, but does not exceed 10mA NC/SFC

Patient Leakage Current: < 10 μ A NC, < 50 μ A SFC

Total Patient Leakage Current: < 50 μ A NC, < 100 μ A SFC