Vet X
Optimize your Vet Life

Better diagnostic, better treatment

Covidien Valleylab

VALLEYLAB™ FT10 ENERGY PLATFORM

A next generation advanced energy platform w improved LigaSure™ vessel sealing technology a expanded electrosurgical features.

TISSUEFECT ™ TECHNOLOGY

Accommodate various tissue types consistently and respond to the changes in tissue as the device seals. This is TissueFect ™ technology that responds at 430,000X per second.

FAST SEALING

1-4 second seal time *1

INTUITIVE CONTROL PANEL

Four-quadrant touch screen with enhanced ease of use for quick settings of surgeon preferences and easy to understand error alerts.

SMART ™ CONNECTORS

Recognizes which type of instrument is being used and automatically configures energy output for quick, consistent results, regardless of Electrosurgery product.

LIGASURE ™ TECHNOLOGY

Improved, and enhanced LigaSure™ vessel sealing performance with

- Faster vessel sealing than ForceTriad™ energy platform[2]
- Minimizes lateral thermal spread to surrounding tissue[3]
- Intuitive use[4]

BE THE FIRST TO SEE HOW OVER 2 MILLION DEVICES SOLD ANNUALLY WILL SEE PERFORMANCE ENHANCEMENTS.

SURGERY

General :

Output configuration	Isolated output
Cooling	Natural convection and fan
Display	7 in. LCD touchscreen
Connector ports	LED illuminated Smart™ connector readerse on the LigaSure™/Bipolar receptacle
Enclosure	Magnesium

Dimensions and Weight :

Height	6.7 in. (17.0 cm)
Width	14.5 in. (35.8 cm)
Length	18.2 in. (46.2 cm)
Weight	22.3 lb. (10.1 kg)

Operating Parameters :

Ambient temperature range	50 to 104 °F (10 to 40 °C)
Relative humidity	30% to 75% non-condensing
Atmospheric pressure	700 to 1060 millibars

Transport and Storage :

Ambient temperature range	14 to 149 °F (-10 to +65 °C)
Relative humidity	25% to 85% non-condensing
Atmospheric pressure	500 to 1060 millibars

Duty Cycle :

The Valleylab™ FT10 energy platform is capable of operating a duty cycle of 25%, defined as 10 seconds active and 30 seconds inactive, in any mode for a period of 4 hours.

Radio Frequency Identification (RFID) :

Frequency Range	13.56 MHz
RF Output Power	68.17 dBuV/m @ 3 meters
Type of Antenna	Integral Loop Antenna
Modulation	Amplitude-shift Keying (ASK)
Mode of Operation (Simplex/Duplex)	Duplex
Contains Transmitter Module FCC ID	2AAVI-JDK1901
Contains IC ID	11355A-JDK1901

Internal Memory :

Real-time clock battery	Battery type - Lithium CR1620; Battery capacity - 75 mAh
Storage capacity	4 GB

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Wireless Fidelity (WiFi) :

Transmit/Receive Frequency Range	2.4000 ~ 2.4835 GHz (Industrial Scientific Medical Band)
Standards	IEEE 802.11b, 802.11g, 802.11n
RF Output Power	11b: 17 ± 1.5 dBm 11g: 15 ± 1.5 dBm 11n: 14 ± 1.5 dBm
Data Rate	11b: 1/2/5.5/11 Mbps 11g: 6/9/12/24/36/48/54 Mbps 11n: (20 MHz): MCSO-7 (Up to 72 Mbps) 11n: (40 MHz): MCSO-7 (Up to 150 Mbps)
Securities	WEP 64/128, WPA, WPA2, and IEEE 802.1x
Type of Antenna	Internal Antenna (1T1R)
Contains Module FCC ID	NDD9578111008
Contains IC ID	4701A-78111306

Leakage :

Leakage Currents and Patient Auxiliary Currents (IEC 60601-1:2012)

Touch Current	< 100 µA NC, < 500 µA SFC
Earth Leakage Current	< 500 µA NC, < 1000 µA SFC
Patient Auxiliary Current (< 1kHz)	< 10 µA NC, < 50 µA SFC
Patient Auxiliary Current (> 1kHz)	Scaled with frequency per IEC 60601-1:2012, but does not exceed 10mA NC/SFC
Patient Leakage Current	< 10 µA NC, < 50 µA SFC
Total Patient Leakage Current	< 50 µA NC, < 100 µA SFC

NC – Normal Condition
SFC – Single Fault Condition (as defined in IEC 60601-1:2012)
Total Patient Leakage Current – Measurement of patient leakage current with all patient outputs connected together

High Frequency Leakage (IEC 60601-2-2)

Bipolar	< 68.9 mARMS
Monopolar measured directly at the ESU terminals	< 100 mARMS
LigaSure™/BPR measured directly at the ESU terminals	< 100 mARMS

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