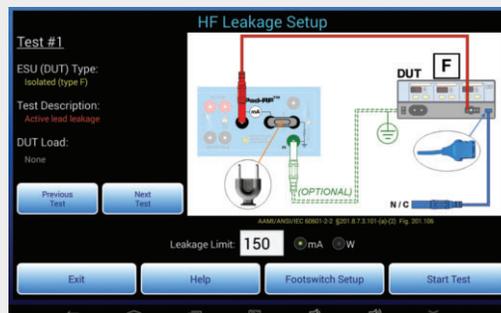
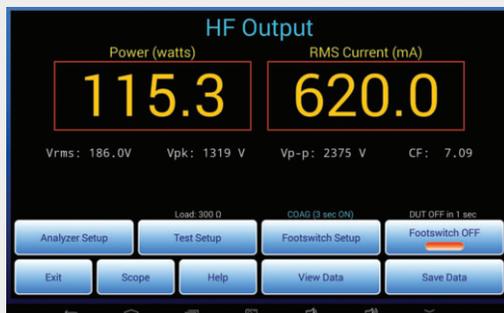
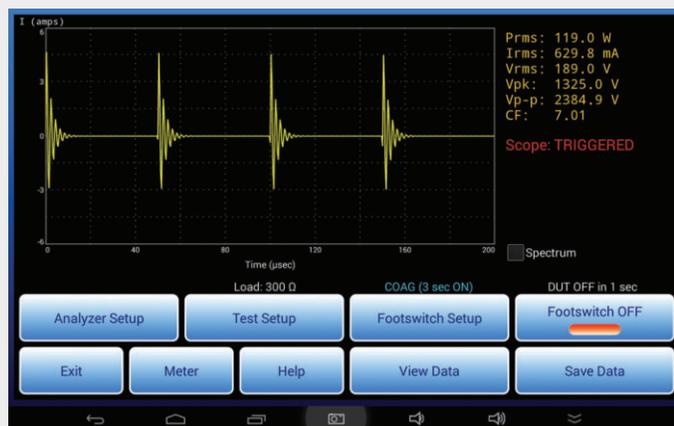


vPad-RF™

vPad-RF - the smallest full featured analyzer for testing Electrosurgical Units (ESUs). Built on the Vision Pad platform, vPad-RF has everything you have come to expect from the technological leader in biomedical test equipment.

Key features

- Digital signal processor (DSP) enables accurate testing of all ESU makes and models, continuous and pulsed-waveforms
- Integration of ESU testing with HF digital storage oscilloscope and spectrum analyzer functions provides three pieces of test equipment in one
- Multi-pulse analysis averages measurements from multiple RF pulses, reducing errors caused by analyzing pulses in isolation
- High powered RF load provides settings required for all IEC 60601-2-2 tests, including Covidien ForceTriad maintenance procedures
- Wide measurement range - up to 8.5A
- Pre-Configured automated PM routines for most major manufacturers
- Works with vPad safety analyzers and automation apps.



Innovation by design

vPad-RF™ - Technical Specifications

HF Power (RMS):

Range 0 - 999.9 W (as derived from HF current)
Accuracy $\pm(3\%$ of reading + $\frac{1}{2}W$)

HF Current (RMS):

Range 0 - 8.5A
Accuracy $\pm(1\%$ of reading + 5mA)

Voltage (RMS):

Range 0-999.9 V (as derived from HF current)
Accuracy $\pm(1\%$ of reading + 1V)

Voltage (Peak):

Range 0 - 9999 V
Accuracy $\pm(1\%$ of reading + 10V)

Crest Factor: 1.0 - 999.9 (as derived from peak/RMS ratio)

Instrument RF Bandwidth (-3dB): 250 Hz - 12 MHz

Isolation, PE to MD: 10 kV

HF Load:

Range
Internal: Variable 0 - 5115 ohms
Internal + External: Max 30,000 ohms

Resolution 5 ohms
Accuracy $\pm 1\% + 0.5, -0$ ohms
Power, 50% duty cycle
200W @ 5 ohms
400W @ 10 ohms
600W @ 20 ohms
600W @ 40 ohms
600W @ 80 ohms
600W @ 160 ohms
600W @ 320 ohms
600W @ 640 ohms
530W @ 1280 ohms
260W @ 2560 ohms

RF Leakage Load:

Resistance 2 x 200 ohms
Accuracy $\pm 1\%$
Power, 100% duty 16W

REM/CQM Test Resistance:

Range 0 - 1023 ohms
Resolution 1 ohm
Accuracy $\pm 1\% + 1, -0$ ohms

Multi-pulse Averaged Results: On-time, off-time & duty cycle

Operational Duty Cycle:

Up to 100% in manually activated tests, 50% in automated footswitch activation, from 1 to 20 seconds

HF Digital Oscilloscope:

Vertical Ranges 0.125, 0.25, 0.75, 1.5, or 3A / division
Vertical Range Selection Manual or Automatic
Horizontal Ranges 1.25, 2.5, 5, 10, 20 or 40 μ sec / division
Trigger Level Adjustable, +/- edge

HF Spectrum Analyzer:

Vertical Ranges Normalized dB or linear
Horizontal Ranges 62.5, 125, 250, 500, 1000, 2000 kHz / division
Frequency Resolution 1.22, 2.44, 4.88, 9.77, 19.5, 39.1 kHz

User Interface:

Android 10" Tablet providing Graphical User Interface, WiFi & Bluetooth communication, 12 Gb memory (or more – optional)

Power:

120 Volt power outlet 90 to 132 V ac rms, 47 to 63 Hz, 0.6 A max.
230 Volt power outlet 180 to 264 V ac rms, 47 to 63 Hz, 0.4 A max.

Size:

8.5 x 11 x 13 in.

Weight:

18 lb.

Environment:

15°C to 40°C, 10% to 90% RH, Indoor Use Only, Category II



All specifications subject to change without notice.



130 - 4020 Viking Way, Richmond BC, Canada V6V 2L4
Phone: 604.291.7747 • Fax: 604.294.2355
Toll-free (North America only): 800.667.6557
Email: customerservice@datrend.com

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