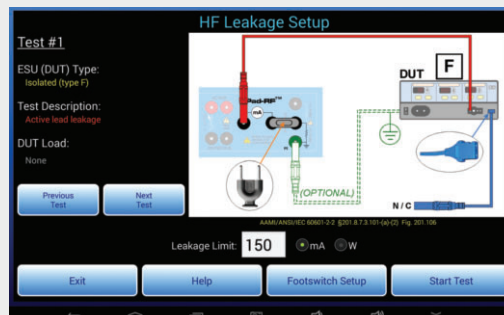
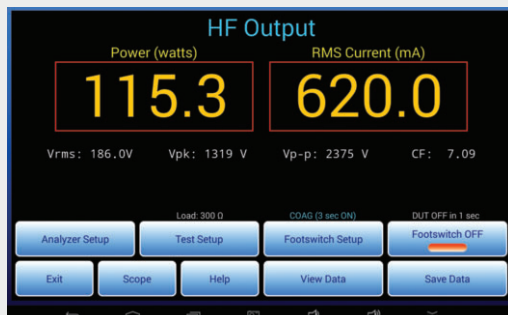
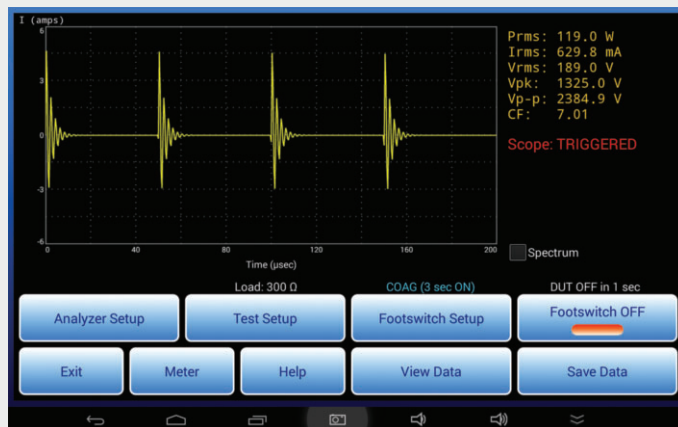


vPad-RF™

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 | ±(3% of reading + ½W) |

HF Current (RMS):

| | |
|----------|------------------------|
| Range | 0 - 8.5A |
| Accuracy | ±(1% of reading + 5mA) |

Voltage (RMS):

| | |
|----------|--|
| Range | 0-999.9 V (as derived from HF current) |
| Accuracy | ±(1% of reading + 1V) |

Voltage (Peak):

| | |
|----------|------------------------|
| Range | 0 - 9999 V |
| Accuracy | ±(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 | ±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 | ±1% |
| Power, 100% duty | 16W |

REM/CQM Test Resistance:

| | |
|------------|-----------------|
| Range | 0 - 1023 ohms |
| Resolution | 1 ohm |
| Accuracy | ±1% +1, -0 ohms |

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

All specifications subject to change without notice.



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 µsec / 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



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