

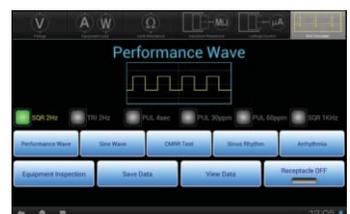
# vPad-353™

## A New Era in Test Device User Interfacing

We've been listening!  Vision-Pad Technology™ introduces a new era in test device user interfacing. Adapting a 10" Android Tablet as the display/control unit on our latest electrical safety analyzer, the vPad-353™, the user benefits from the many features available from tablet technology.

- Hi-resolution Graphical User Interface
- Large, bold fonts for easy reading of test results
- Icon based test functions
- On-line Test Procedure display capability
- Touch screen interface with optional keypad or mouse
- Unlimited user comments in test records
- Wireless communication to PC and Printer
- Up to 32 Gbyte storage
- Apps-based upgrade path

Innovation by design



# vPad-353™ - Performance Specifications

<b>Display:</b>	10.1" colour LCD (1280 x 800)	<b>Equipment Current:</b>	
<b>User Controls:</b>	Capacitive touchscreen	Ranges:	0 to 1.999 A ac rms 2.00 to 19.99 A ac rms
<b>Wired Connectivity:</b>	Micro USB 2.0 Type B (shareable with base unit) XBUS Port (RJ11-6) USB 2.0 Type A (host) - optional	Accuracy:	±(2 % reading + 0.2A)
		Duty cycle:	0 A to 10 A, continuous 10 A to 15 A, 7 min. on/3 min. off 15A to 20 A, 5 min. on/5 min. off
<b>Wireless Connectivity:</b>	802.11 b/g/n Bluetooth 2.1+ EDR	<b>Equipment Power:</b>	
		Range:	0 to 2400 watts
<b>Modes of Operation:</b>	Manual (standard) Automatic (accessory option)	Accuracy:	±(5 % reading + 5W)
<b>Power:</b>		<b>Equipment and Patient Leakage Tests:</b>	
120 Volt power outlet:	90 to 132 V ac rms, 47 to 63 Hz, 20 A max.	Measurement:	RMS
230 Volt power outlet:	180 to 264 V ac rms, 47 to 63 Hz, 16 A max.	Method:	Direct method
		Patient Load:	Per IEC 62353
<b>Weight:</b>	5.5 lb (2.5 kg)	Functional Group Selections:	AP1; AP1 and AP2; AP3 and AP4; AP1 to AP3; AP1 to AP4; AP5 to AP10 AP1 to AP10
<b>Size:</b>		<b>Chassis and Lead Leakage Tests:</b>	
Base unit:	11.8 x 8.9 x 3.3 in. (30 x 23 x 8.4 cm)	Measurement:	AC+DC (True-rms) AC only DC only
Tablet PC (detachable):	10.5 x 6.7 x 0.5 in. (27 x 17 x 1.3 cm)	Patient Load Selection:	AAMI ES1-1993 IEC 60601
<b>Test Standards:</b>	IEC 62353, AS 3551 ANSI/AAMI ES1 IEC60601-1	<b>Leakage Current Measurement:</b>	
<b>Voltage:</b>		Crest factor:	<=3
Mains voltage:		Ranges:	0.0 to 199.9 µA 200 to 1,999 µA 2000 to 19,999 µA
Range:	90 to 264 V rms	Accuracy:	
Accuracy:	±(2 % of reading + 0.2 V)	DC to 1 kHz	±(1 % of reading + 1µA)
External (point-to-point) voltage:		1 to 100 kHz	±(2 % of reading + 1µA)
Range:	0 to 300 V rms	100 kHz to 1 MHz	±(5 % of reading + 1µA)
Accuracy:	±(1 % FS + 0.2 V)	Isolation test voltage:	100 % ±5 % of AC supply
External (point-to-point) micropotential:		<b>Calibration Test Points:</b>	
Ranges:	0 to 199.9 mV rms 200 to 1,999 mV rms 2000 to 19,999 mV rms	Resistance:	1 ± 0.01 Ω
Accuracy:	±(1 % of reading + 1 mV)	Current:	100 ± 1 µA
<b>Protective Earth Resistance:</b>		<b>ECG Performance Waveforms:</b>	
Method:	Four-terminal, fully isolated	Output:	
Test Current:	1A pulsed, 0.2A rms	Amplitude	1 mV QRS into Lead II
Range:	0.000 to 2.000 Ω	Impedance	500 ohms
Accuracy:	±(1 % of reading + 0.02 Ω)	Accuracy:	
<b>Insulation Resistance:</b>		Frequency	±1 %
Ranges:	0.5 to 5 MΩ 5 to 50 MΩ 50 to 999.9 MΩ	Amplitude	±2%
Range selection:	Automatic	Waveforms:	
Accuracy:		ECG Complex	30, 60, 120, 180, 240 and 300 BPM
5 MΩ range	±(1 % of reading + 0.1 MΩ)	Square wave	0.125 Hz, 2 Hz and 1 kHz
50 MΩ range	±(2 % of reading + 0.2 MΩ)	Pulse wave	63 msec, 30PPM and 60PPM
50 to 100 MΩ	±(5 % of reading + 0.2 MΩ)	Triangle wave	2 Hz
Test Voltage:		Sine wave	0.5, 10, 40, 50, 60 and 100 Hz
Selections:	500 V or 250 V	CMRR tests	SQR 2Hz & 1kHz, PUL 4s, SIN 0.5, 50 & 60Hz
Accuracy:	±5% for 0 to 1 mA load	Arrhythmias	VFIB, AFIB, SVT, VTACH, PVC, and ASYS
Maximum Load Capacitance:	1 µF		

All specifications subject to change without notice.



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