

Our new Hypot® Series raises the bar for production line Hipot testing. Improve traceability with on-board data storage and easily transfer test result data and test settings via convenient front panel USB. Take the guesswork out of your production line with the direct barcode connection to quickly associate products with pre-programmed test files. We've included advanced features like improved security and a touch screen interface that provides custom pop-up prompts displayed before each test step. We've dramatically reduced the weight and footprint of the Hypot® Series to make safety compliance a less strenuous ordeal. Quickly interconnect with the HYAMP® Series to form a complete safety compliance system.



Find the Model that Fits Your Testing Needs



*Meets 200 mA short circuit requirements

SAFETY & PRODUCTIVITY FEATURES



protection





Easily disable

HV output



Easily import/ files and data







Capability Direct barcode

Languages Multi-Language

Basic PLC relay control



Provides alerts

& instructions













Accredited

calibration





proper DUT



Accredited

My Menu Customize your own shortcut

Storage Save up to 1,500 Test Results on-board

/oltage	100 – 120 VAC / 20	0 – 240 V	AC ± 10% Auto	Range	
equency	50/60 Hz ± 5%				
Jse	3.15 A, Fast Blow 250 VAC 15 A, Fast Blow 250 VAC (3880 only)				
DIELECTRIC WITH	HSTAND TEST MO	DDE			
Output Rating	3805/3865/3870	5 kVA @ 20 mAAC 6 kVA @ 7.5 mADC (3865/3870 only)			
	3880	5 kVA @ 100mAAC			
Maximum Limit	3805/3865/3870	AC	Range: Resolution:	0.00 – 20.00 mA 0.01 mA	
		DC	Range: Resolution: Accuracy:	$0-7500~\mu A$ $1~\mu A$ AC and DC ± (2% of setting + 2 counts)	
	3880	AC	Range: Resolution: Accuracy:	0.00 – 99.99 mA 0.01 mA ± (2% of setting + 6 counts)	
Minimum Limit	3805/3865/3870	AC	Range: Resolution:	0.000 – 9.999 mA 0.001 mA	
		DC	Range: Resolution: Accuracy:		
	3880	AC	Range: Resolution: Accuracy:	0.000 – 9.999 mA 0.001 mA ± (2% of setting + 6 counts)	
Arc Detection	Range: 1-9, ON/OFF Select				
iround Fault	GFI Trip Current: 450 µA max (AC or DC), Fixed				
Interrupt	HV Shut Down Speed: < 1 msec				
Current Display	3805/3865/3870	AC	Range 1: Range 2:	0.000 – 4.000 mA 3.50 – 20.00 mA	
		DC	Range 1: Range 2: Range 3:	0.0 μA – 400.0 μA 0.350 mA – 4.000 mA 3.50 mA – 7.50 mA	
			Accuracy:	All Ranges ± (2% of reading + 2 counts)	
	3880	AC	Range 1: Accuracy: Range 2: Accuracy:	0.000 – 4.000 mA ± (2% of reading + 2 counts) 3.50 – 99.99 mA ± (2% of reading + 6 counts)	
C Output Ripple	≤ 5% Ripple rms at 6 kVDC @ 7.5 mA Resistive Load				
AMP-HI electable	Range: 0.0 – 7,500 μA, User Selectable				
Charge-LO	0 – 350 μA DC or Auto Set				
Discharge Time	<50 msec for no load, <100 msec for capacitive load The maximum capacitive load vs. output voltage: $1\mu F < 1KV$				
AC Voltage Naveform/	Sine Wave, Crest Factor = 1.3 – 1.5				
requency	Range: 50 or 60 Hz, User Selectable				
well Timer	Range:	AC 0, 0.2-999.9 sec (0=Continuous) DC 0, 0.4-999.9 sec (0=Continuous)			
Ramp Timer	Range:	Ramp-Up: 0.1 – 999.9 sec Ramp-Down: AC 0.0 – 999.9 sec DC 0, 1.0 – 999.9 sec, (0=OFF)			
Ground Continuity	DC 0.1A ± 0.01 A, fixed				
Current					

INPUT SPECIFICATIONS

DIELECTRIC WITHSTAND TEST MODE CONTINUED				
Ground Continuity Maximum Limit Minimum Limit	Range: Resolution: Accuracy:	0.00 – 1.50 Ω 0.01 Ω ± (3% of setting + 0.02 Ω)		
Ground Continuity Auto Offset	Range: Resolution: Accuracy:	0.00 – 0.50 Ω 0.01 Ω \pm (3% of setting + 0.02 Ω)		
Short Circuit Current	> 200 mA (3880 only)			

Ground Continuity Auto Offset	Range: Resolution: Accuracy:				
Short Circuit Current	> 200 mA (3880 only)				
INSULATION RESISTANCE TEST MODE					
Voltage Setting	Range: Resolution: Accuracy:	n: 1 V			
Resistance Display	Range: 1 – 50,000 MΩ				
	MΩ MΩ 0.001 1.000 0.01 2.00 - 0.1 20.0 -	99 VDC 100 – 499 VDC 500 – 1000 VDC MΩ MΩ MΩ 0 – 1.999 1.000 – 1.999 1.000 – 9.999 - 19.99 2.00 – 19.99 10.00 – 99.99 - 199.9 20.0 – 199.9 100.0 – 999.9 - 10,000 200 – 20,000 1000 – 50000			
	Accuracy:	\pm (8% of reading+2 counts) at test voltage 30 – 499 V and 1.00–999.9 $M\Omega$			
	At test voltage 500-1000 V \pm (2% of reading + 2 counts) for 1.00 – 999.9 M Ω \pm (5% of reading + 2 counts) for 1000 – 9999 M Ω \pm (15% of reading + 2 counts) for 10000 – 50,000 M Ω				
HI & LO-Limit	Range: Resolution:	0, 1.00 – 99.99 M Ω (0=OFF, HI-Limit ONLY) 0.01 M Ω 1000-50000 1 M Ω			
	Range: Resolution:	100.0 – 999.9 M Ω 0.1 M Ω			
	Accuracy:	At test voltage 500-1000 V $ \pm (2\% \text{ of setting } + 2 \text{ counts) for } 1.00 - 999.9 M\Omega \\ \pm (5\% \text{ of setting } + 2 \text{ counts) for } 1000 - 9999 M\Omega \\ \pm (15\% \text{ of setting } + 2 \text{ counts) for } 10000 - 50,000 M\Omega $			
Charge-LO	Range:	0.000 – 3.500 μA DC or Auto Set			
Ramp Timer	Range:	Ramp-Up: 0.1 – 999.9 sec Ramp-Down: 0, 1.0 – 999.9 sec, (0=OFF)			
Delay Timer	Range:	0.5 – 999.9 sec (0=OFF)			
Dwell Timer	Range: 0, 0.5 – 999.9 sec (0=continuous)				
GENERAL SPECIFICA	TIONS				
Remote Control and Signal I/O	Inputs: Test, Reset, Hardware Interlock, File Recall Outputs: Pass, Fail, Test-in-Process, Reset-Out, Start-Out				
Vmax	Displays the maximum voltage value recorded during a breakdown				
lmax	Displays the maximum leakage current value read during a test				
Memories	50 steps 1500 test results				
Interface	USB standard				
Language	English, Traditional Chinese, Simplified Chinese, Turkish, Portuguese, Spanish, German, French				
Security	Multiple user setups with ID and password				
Dimensions (W x H x D)		8.5" x 3.5" x 11.9" (215 mm x 88.1 mm x 300 mm) 16.93" x 5.20" x 11.84"			
		(430 mm x 132 mm x 300 mm)			

ciated Research publishes some specifications using "counts" which allows us to provide ter indication of the instrument's capabilities across measurement ranges. A count refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts = 2 V.

12 lbs (5.46 kgs)

50 lbs (23 kgs)

Specifications subject to change without notice.

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