

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 import/ files and data





Easily disable

HV output



Capability Languages Direct barcode Multi-Language

Basic PLC relay control







HYAMP® to form a complete test



& instructions





detection

Charge-LO® proper DUT



Accredited

calibration

options



Customize your

own shortcut



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

Voltage	100 – 120 VAC / 20	0 – 240 V	AC ± 10% Auto	Range	
Frequency	50/60 Hz ± 5%				
Fuse	3.15 A, Fast Blow 250 VAC 15 A, Fast Blow 250 VAC (3880 only)				
DIELECTRIC WITH	ISTAND TEST MO	ODE			
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 μA AC and DC \pm (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:	$0.0 - 999.9 \mu\text{A}$ $0.1\mu\text{A}$ AC and DC \pm (2% of setting $+$ 2 counts)	
	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		
Ground 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)	
OC Output Ripple	≤ 5% Ripple rms at 6 kVDC @ 7.5 mA Resistive Load				
RAMP-HI selectable	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: $1\mu F < 1KV \qquad 0.08\mu F < 4KV \\ 0.75\mu F < 2KV \qquad 0.04\mu F < 5KV \\ 0.5\mu F < 3KV \qquad 0.015\mu F < 6KV$				
AC Voltage	Sine Wave, Crest Factor = 1.3 – 1.5				
Vaveform/ 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:		Jp: 0.1 – 999.9 s Down: AC 0.0 – DC 0, 1.0		

INPUT SPECIFICATIONS

DIELECTRIC WITHSTAND TEST MODE CONTINUED				
Ground Continuity Maximum Limit Minimum Limit	Range: Resolution: Accuracy:	1 *** · · · · .		
Ground Continuity Auto Offset	Range: Resolution: Accuracy:	1 *** · · · · .		
Short Circuit Current	> 200 mA (3880 only)			

Ground Continuity Auto Offset	Range: Resolution: Accuracy:	$0.00 - 0.50 \Omega$ 0.01Ω ± (3% of setting + 0.02 Ω)				
Short Circuit Current	> 200 mA (3880 only)					
INSULATION RESISTANCE TEST MODE						
Voltage Setting	Range: Resolution: Accuracy:	n: 1V				
Resistance Display	Range:	1 – 50,000 ΜΩ				
	MΩ MΩ 0.001 1.000 0.01 2.00 - 0.1 20.0 -	99 VDC 100 – 499 VDC 500 – 1000 VDC 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 – 99.99 - 10.00 200 – 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:					
	Range: Resolution:					
	Accuracy:	At test voltage 500-1000 V \pm (2% of setting + 2 counts) for 1.00 – 999.9 M Ω \pm (5% of setting + 2 counts) for 1000 – 999.9 M Ω \pm (15% of setting + 2 counts) for 10000 – 50,000 M Ω				
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)				

We Use Counts

ociated Research publishes some specifications using "counts" which allows us to provide better 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.

16.93" x 5.20" x 11.84" (430 mm x 132 mm x 300 mm)

12 lbs (5.46 kgs)

50 lbs (23 kgs)

Specifications subject to change without notice.

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