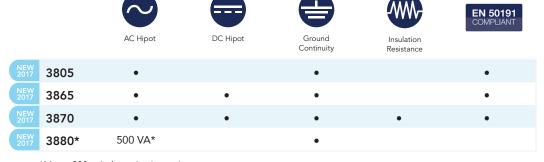


Our new Hypot® Series raises the bar for production line Hipot testing. Improve traceability with on-board data storage and easily transfer test result data and test settings via convenient front panel USB. Take the guesswork out of your production line with the direct barcode connection to quickly associate 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



<sup>\*</sup>Meets 200 mA short circuit requirements

## SAFETY & PRODUCTIVITY FEATURES







Remote Safety Interlock Easily disable HV output



Data Transfer
Easily import/
export test
files and data
via USB



Capability
Direct barcode connection



Multiple Languages Multi-Language user interface



PLC Remote Basic PLC relay control



Prompt & Hold Provides alerts & instructions between tests



Advanced User Security Customize ID & password protection



Interconnection
Interconnect with
HYAMP® to form
a complete test



Ramp-HI® Reduce ramp time during DC Hipot



Charge-LO® Confirms proper DUT



FailCHEKTM
Confirms
failure
detection



Accredited Cal Accredited calibration options



My Menu Customize your own shortcut menu



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

INPUT SPECIFICATIONS					
Voltage	100 – 120 VAC / 200 – 240 VAC ± 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 WITHSTAND TEST MODE					
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 $\pm$ (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 μA 0.1μA AC and DC ± (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 Interrupt	GFI Trip Current: 450 μA max (AC or DC), Fixed				
	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)	
DC 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 Waveform/ Frequency	Sine Wave, Crest Factor = 1.3 – 1.5				
	Range: 50 or 60 Hz, User Selectable				
Dwell Timer	Range: AC 0, 0.2-999.9 sec (0=Continuous) DC 0, 0.4-999.9 sec (0=Continuous)				
Ramp Timer	Ramp-Up: 0.1 – 999.9 sec Ramp-Down: AC 0.0 – 999.9 sec DC 0, 1.0 – 999.9 sec, (0=OFF)				
namp rimer	Range:		own: AC 0.0 –	999.9 sec	

		ODE CONTINUED			
Ground Continuity Maximum Limit Minimum Limit	Range: Resolution: Accuracy:	0.00 – 1.50 $\Omega$ 0.01 $\Omega$ ± (3% of setting + 0.02 $\Omega$ )			
Ground Continuity Auto Offset	Range: Resolution: Accuracy:	0.01 Ω			
Short Circuit Current	Accuracy: $\pm$ (3% of setting + 0.02 $\Omega$ ) > 200 mA (3880 only)				
INSULATION RESISTA	SULATION RESISTANCE TEST MODE				
Voltage Setting	Range: Resolution: Accuracy:	30 – 1,000 VDC 1 V ± (2% of setting + 5 V)			
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 1-19.99 2.00 – 19.99 10.00 – 99.99 - 199.9 20.0 – 199.9 100.0 – 999.9 110,000 200 – 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 $\Omega$ $\pm$ (5% of reading + 2 counts) for 1000 – 9999 M $\Omega$ $\pm$ (15% of reading + 2 counts) for 10000 – 50,000 M $\Omega$				
HI & LO-Limit	Range: Resolution:	0, 1.00 – 99.99 M $\Omega$ (0=OFF, HI-Limit ONLY) 0.01 M $\Omega$ 1000-50000 1 M $\Omega$			
	Range: Resolution:	100.0 – 999.9 MΩ 0.1 MΩ			
	Accuracy:	At test voltage 500-1000 V $ \pm (2\% \text{ of setting} + 2 \text{ counts) for } 1.00 - 999.9 \text{ M}\Omega $ $ \pm (5\% \text{ of setting} + 2 \text{ counts) for } 1000 - 9999 \text{ M}\Omega $ $ \pm (15\% \text{ of setting} + 2 \text{ counts) for } 10000 - 50,000 \text{ 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)			
Weight	12 lbs (5.46 kgs) 50 lbs (23 kgs)				
Why We Use Counts		festions using "asynta" which allows us to provide			

DIELECTRIC WITHSTAND TEST MODE CONTINUED

Why We Use Counts
Associated Research publishes some specifications using "counts" which allows us to provide a 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.

 ${\bf Specifications\ subject\ to\ change\ without\ notice.}$ 

Call **+1-847-367-4077**