

Our Hypot[®] Series raises the bar for production line Hipot testing. Improve traceability with onboard 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



SAFETY & PRODUCTIVITY **FEATURES**





SmartGFI® **Remote Safety** Interlock Automatic Easily disable operator shock HV output protection

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







Barcode Capability Direct barcode connection user interface

Multiple PLC Remote Languages Basic PLC Multi-Language 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 system





Ramp-HI® Reduce ramp time during DC Hipot

Charge-LO® Confirms proper DUT connection

FailCHEK™ Confirms failure detection



Cal

options

available



WithStand® Automation Accredited Software calibration

On Board Data

Storage Save up to 1.500 Test Results on-board

Hypot[®] Series

V 1	400 400 100 100	0 0101		D	Valtana Cattin -	
Voltage -	100 – 120 VAC / 200 – 240 VAC ± 10% Auto Range				Voltage Setting	Res
Frequency	50/60 Hz ± 5%			A		
Fuse	3.15 A, Fast Blow 2	50 VAC	Resistance Display			
DIELECTRIC WIT	HSTAND TEST M	ODE				Resolutio
Output Rating	3805/3855/ 5 kVA @ 20 mAAC 3865/3870 6 kVA @ 7.5 mADC (3865/3870 only)					MΩ 0.001 0.01 2 0.1 2
	3805/3855/ 3865/3870	AC	Range: Resolution:	0.00 – 20.00 mA 0.01 mA		1 2 A
		DC	Range: Resolution: Accuracy:	0 – 7500 μA 1 μA AC and DC ± (2% of setting + 2 counts)		At tes ± (2% ± (5%
Minimum Limit	3805/3855/ 3865/3870	AC	Range: Resolution:	0.000 – 9.999 mA 0.001 mA	HI & LO-Limit	± (159
		DC	Range: Resolution: Accuracy:	0.0 – 999.9 µA 0.1µA AC and DC ± (2% of setting + 2 counts)		Res
Arc Detection	Range: 1 – 9 (9 is most sensitive)					Res
Ground Fault	GFI Trip Current: 450 μA max (AC or DC), Fixed					A
Interrupt	HV Shut Down Speed: < 1 msec					
Current Display	3805/3855/ 3865/3870	AC	Range 1: Range 2:	0.000 – 4.000 mA 3.50 – 20.00 mA	Charge-LO	
		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	Ramp Timer	
			Accuracy:	All Ranges ± (2% of reading	Delay Timer	
			, lecuracy.	+ 2 counts)	Dwell Timer	
DC Output Ripple	≤ 5% Ripple rms at	6 kVDC	GENERAL SPECIFICA	TIONS		
RAMP-HI Selectable	Range: 0.0 – 7,500	µA, User	Remote Control and Signal I/O	Inputs: T Outputs:		
Charge-LO	0 – 350 µA DC or A	uto Set	Vmax	Displays a breakde		
Discharge Time	< 50 msec for no lo The maximum cap	acitive lo	lmax	Displays		
		0.08µF < 0.04µF < 0.015uF	Memories	50 steps 1500 test		
AC Voltage	Sine Wave, Crest Factor = 1.3 – 1.5				Interface	USB stan
Waveform/ Frequency	Range:	50 or 60 Hz, User Selectable			Language	English, 1 Portugue
Dwell Timer	Range:	AC 0, 0.2-999.9 sec (0=Continuous) DC 0, 0.4-999.9 sec (0=Continuous)		Security	Multiple	
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)			Dimensions (W x H x D)	380 38
Ground Continuity Current	DC 0.1A ± 0.01 A, f	Weight	380 38			
Ground Continuity Maximum Limit Minimum Limit	Range: $0.00 - 1.50 \Omega$ Resolution: 0.01Ω Accuracy: \pm (3% of setting + 0.02Ω)				Why We Use Counts Associated Research publishes some a better indication of the instrument's	
Ground Continuity Auto Offset	Range: Resolution: Accuracy:	0.00 – 0 0.01 Ω			a better indication of the instrument s to the lowest resolution of the display resolution for voltage is 1V then 2 cou Specifications subject to change wit	

INSULATION RESISTA	NCE TEST MOD	E			
Voltage Setting	Range: Resolution: Accuracy:	30 – 1,000 VDC 1 V ± (1.5% of setting + 5 V)			
Resistance Display	Range:	1 – 50,000 ΜΩ			
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
	Accuracy: \pm (8% of reading+2 counts) at test voltage 30 – 499 V and 1.00–999.9 M Ω				
	At test voltage 500-1000 V ± (2% of reading + 2 counts) for 1.00 – 999.9 MΩ ± (5% of reading + 2 counts) for 1000 – 9999 MΩ ± (15% of reading + 2 counts) for 10000 – 50,000 MΩ				
HI & LO-Limit	Range: Resolution:	0, 1.00 – 99.99 MΩ (0=OFF, HI-Limit ONLY) 0.01 MΩ 1000-50000 1 MΩ			
	Range: Resolution:	100.0 – 999.9 MΩ 0.1 MΩ			
	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 – 9999 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		r, Hardware Interlock, File Recall I, 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)	3805/3855/ 3865/3870	8.5" x 3.5" x 11.9" (215 mm x 88.1 mm x 300 mm)			
Weight	3805/3855/ 3865/3870	12 lbs (5.46 kgs)			

e specifications using "counts" which allows us to provide t's capabilities across measurement ranges. A count refers ay for a given measurement range. For example, if the punts = 2 V.

ithout notice.