



Safety agency listed.



Choose from the following at no charge:



The production line Hipot instrument that sets the standard.

Our Hypot III series of manual Hipot instruments sets the standard for production line safety compliance testing. We've packed these instruments with productivity-enhancing features and proven safety technology to reduce the safety compliance bottleneck on the production line. All models include basic Continuity test capability for compliance with international standards as well as advanced functions like our patented SmartGFI operator safety circuit and PLC I/ O. Interconnect the Hypot III with a HYAMP III Ground Bond instrument to form a complete safety compliance test system. Interested in automation and data collection? The Hypot III series is now available with a standard RS-232 interface.









Input Speci⊓ca	tions		Dielectric Withstand Test Mode (continued)		
Voltage 3705/ 3765/ 3770	115/230	VAC±10%, user selectable	Ground Continuity Ourre		
3780 Frequency		VAC± 15%, automatically selected		Range: $0.0 \Omega - 1.50 \Omega$ Resolution: 0.01Ω Accuracy: $\pm (3\% \text{ of setting} + 0.02 \Omega)$	
Fuse					
3705/3765/3770 3780		st acting 250 VAC Iow Blow 250 VAC	Ground Continuity Auto Offset		
			Output Short Orcuit	Accuracy. \pm (3% of setting + 0.02 Ω)	
Dielectric With Output Rating	istand Te	est Mode	Current 3780	> 200 mA	
3705/3765/3770	5000 V@ 6000 V@		Insulation Resi	stance Test Mode	
3780		100 mAAC	Voltage Setting	Range: 30 - 1000 VDC	
Maximum Limit				Resolution: $1 \vee$ Accuracy: $\pm (2\% \text{ of setting} + 5 \vee)$	
3705/3765/3770 AC		0.00 - 20.00 mA	Desistance Display		
DC	Resolution Range:	n: 0.01 mA 0 - 7500 μA	Resistance Display	Range: 1-9999 MΩ (4 Digit, Auto Ranging) Resolution: 500 VDC-1000 VDC	
	Resolution	τ. 1 μA		MΩ MΩ 0.001 1.000-9.999	
3780 AC		AC and DC ± (2% of setting + 2 counts) 0.00 – 99.99 mA		0.01 10.00 - 99.99	
	Resolution: Accuracy:	b: 0.01 mA ± (2% of setting + 6 counts)		0.1 100.0 - 999.9 1 1000 - 9999	
Minimum Limit	D	0.000 - 1		Accuracy. ± (2% of reading + 2 counts) at test voltage 500 - 1000 V and 1 - 999.9 MΩ	
3705/3765/3770 AC		0.000 - 9.999 mA 1: 0.001 mA 0.0 - 999.9 μA		± (5% of reading + 2 counts) at test voltage 500 - 1000 Vand 1000 - 9999 MΩ	
	Resolution Accuracy:	n: 0.1 μA ACand DC± (2%of setting + 2 counts)		\pm (8% of reading + 2 counts) at test voltage 30 - 500 V and 1 - 1000 M Ω	
3780 AC	Resolution	0.000 – 9.999 mA 1: 0.001 mA ± (2% of setting + 6 counts)	Maximum Limit	Range: 0, 1 - 9999 MΩ (0=CFF) Resolution: 1 MΩ	
Arc Detection		0 - 9, 0 disabled		Accuracy. Same as Resistance Display	
	Range:		Minimum Limit	Range: 1 - 9999 MΩ	
Ground Fault Interrupt	GFI Trip Cu HV Shut D	irrent: 450 µAmax (AC or DC) own Speed: < 1ms		Resolution: $1 M\Omega$ Accuracy. Same as Resistance Display	
	Range 2: 3.00 -	e	Ramp Timer	Range: Ramp-Up: 0.1 - 999.9 sec Ramp-Down: 1.0 - 999.9 sec (0=OFF)	
		0.000 - 3.500 mA 3.00 - 20.00 mA		Resolution: 0.1 sec Accuracy: ± (0.1% of reading + 0.05 sec)	
DC	Range 1: Range 2:	0.300 mA- 3.500 mA	Delay Timer	Range: 0, 0.5 - 999.9 sec (0 = Continuous)	
	Range 3: Accuracy:	3.00 mA- 7.50 mA All Ranges ± (2% of reading + 2 counts)		Resolution: 0.1 sec Accuracy: ± (0.1% of reading + 0.05 sec)	
3780 AC	Auto Rang Range 1: Range 2:		GFI Trip Current	450 µAmax	
	5		HVShut Down Speed	< 1 ms	
DC Output Ripple	≤ 5% Rippl	le rms at 6 kVDC@7.5 mA, Resistive Load			
Discharge Time	≤200 ms The maxim	num capacitive load vs output voltage:	General Speci		
	0.20 µF <	1 kV 0.050 µF < 4 kV	Mechanical	Bench or rack mount with tilt up feet	
	0.10 µF < 2 0.06 µF <		Dimensions		
AC Voltage Waveform		, Crest Factor = 1.3 - 1.5	3705/3765/3770 3780	(Wx Hx D) 8.46 x 3.5 x 14.57 in. (215 x 89 x 370 mm) Wx Hx D) 16.93 x 5.24 x 13.78 in. (430 x 133 x 350 mm	
Output Frequency) or 60 Hz, User Selectable			
Output Voltage	± (1%of ou	tput + 5 V) from no load to full load and over	Weight 3705/3765/3770	20.96 lbs (9.53 kg)	
Regulation Dwell Timer	input voltage range. 3780 49 lbs (23 kg) Range: AC 0, 0.3 - 999.9 sec (0 = Continuous)				
	_	AC 0, 0.3 - 999.9 sec (0 = Continuous) DC 0, 0.4 - 999.9 sec (0 = Continuous)	Interface	RS-232 interface standard for entry-level automation	
Ramp Timer	Range:	Ramp-Up: 0.1 - 999.9 sec Ramp-Down: AC 0.0 - 999.9 sec DC 1.0 - 999.9 sec (0=CFF)	Memory	10 Memories, 3 steps per memory	
SpeciAcations subject to change without notice. For more information on testing to a specAc standard, refer back to the Common Safety Standard Reference Chart.					

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