

**2900**  
series

# HIPOT TESTERS

The 2900 Series includes three models: the 2955 AC Hipot, the 2965 AC/DC Hipot and the 2975 AC/DC Hipot with built-in Insulation Resistance Tester.

The 2900 Series and the 2600 Series can be interconnected to form a complete test system.



- ▶ **Cost-Effective Hipot Testers**
- ▶ **Test Setup Memories**
- ▶ **RS-232 Interface Option**
- ▶ **Fully Adjustable Electronic Ramp & Dwell**
- ▶ **Tamper Proof Front Panel Controls**

**FOR MORE INFORMATION:**

**+1 (800) 504-0055**

visit us online: [www.hipot.com](http://www.hipot.com)

<b>INPUT</b>	
Voltage	115/230V selectable, ± 15% variation
Frequency	50/60 Hz ± 5%
Fuse	2A / 250V fast acting 250VAC
<b>DIELECTRIC WITHSTAND TEST MODE</b>	
Output	Rating: AC 0 - 5000V, 2V/step, 12 mA DC 0 - 6000V, 2V/step, 5 mA (DC mode on 2965 & 2975 models)
	Voltage : ± (1% of output + 5V)
Voltage Setting	Range: 0V - max output rating, 10V/step
	Resolution: 0.01 kV
	Accuracy: ± (2% of setting + 5V) relative to displayed output, can be adjusted during operation via UP and DOWN arrow keys
AC Output Frequency	50/60 Hz user selectable
AC Wave Form	Form: Sine wave
	Distortion: <2% THD
DC Ripple	<5% at 6KV DC / 5mA ( 2965 & 2975)
Dwell Timer	Range: 0 and 0.2 - 999.9 seconds
	0.1 sec/step
Ramp Timer	0 for continuous running
	Range: 0 and 0.2 - 999.9 seconds
	0.1 sec/step
	0 ramp setting = 0.1 sec fixed ramp 2955: ramp = 0.1 sec fixed ramp
AC Mode Failure Settings	High Limit: 0.10 - 12.00 mA, 0.01 mA/step
	Low Limit: 0.00, 0.10 - 12.00 mA, 0.01 mA/step (0=OFF) ( 2955, 2965, and 2975)
	Accuracy: ± (2% of setting + 0.02 mA)
DC Mode Failure Settings	High Limit: 0.02 - 5.00 mA, 0.01 mA/step
	Low Limit: 0.00, 0.02 - 5.00 mA, 0.01 mA/step (0=OFF) ( 2965 and 2975)
	Accuracy: ± (2% of setting + 0.02 mA)
Timer Display	Range: 0.0 - 999.9 sec
	Resolution: 0.1 sec Accuracy: ± (0.1% of reading + 0.05 sec)
Discharge Time	≤ 200ms
Ground Continuity Check	Current: DC 0.1 A ± 0.01 A, fixed
	High Limit: 0.00-1.50 Ω
	Low Limit: 0.01-1.50 Ω
	Offset: 0.00-0.50 Ω
	Resolution: 0.01 Ω Accuracy: ± (2% of setting + 0.02 Ω)

<b>INSULATION RESISTANCE TEST MODE</b>		
Output Voltage	Range: 100 - 1000V DC	
	Resolution: 10V/step	
	Accuracy: ± (2% of reading + 5 volts)	
Voltage Display	Range: 100 - 1000V	
	Resolution: 10V/step	
	Accuracy: ± (2% of reading + 5 volts)	
Resistance Display	Range: 1-1000 MΩ (4 digit, auto ranging)	
	Resolution:	500VDC 1000VDC
		MΩ MΩ MΩ
		0.01 1.00-40.00 1.00-80.00
	0.1 35.0-999.9 75.0-999.9	
	Accuracy: ± (3% of reading + 2 counts) at test voltage > 500V	
Accuracy: ± (7% of reading + 2 counts) at test voltage ≤ 500V		
High Limit	Range: 0 - 1000 MΩ (0 = off)	
Low Limit	Range: 1 - 1000 MΩ	
Delay Timer	Range: 0, 0.5 - 999.9 sec (0 = constant)	
	Resolution: 0.1 sec Accuracy: ± (0.1% of reading + 0.05 sec)	
<b>GENERAL SPECIFICATIONS</b>		
Remote Control & Signal Output	The following input and output signals are provided through the 9-pin D-type connector: 1. Remote control: Test, Reset & Interlock 2. Outputs: Pass, Fail, Test-in-Process	
Memory	10 memories	
Security	Lockout capability to avoid unauthorized access to all test parameters. Memory lockout to avoid unauthorized access to memory locations.	
Interlock	Remote safety interlock standard.	
Calibration	Software and adjustments made through front panel.	
Line Cord	Detachable 7 ft (2.13m) power cable terminated in a three prong grounding plug	
Interface	Optional RS-232 interface	
Mechanical	Tilt up front feet	
Dimension (WxHxD)	11" x 3.5" x 11.81" (280 x 89 x 300mm)	
Weight	20 lbs. (9 kg)	