

2900 Series Hipot Testers

The 2900 Series of Hipot testers offers advanced technology at an attractive price. Choose from the 2925 AC Hipot, the 2935 AC/DC Hipot, and the 2945 AC/DC Hipot with built-in Insulation Resistance testing capability. Featuring innovative technology, they are the ideal solution for a variety of Hipot testing applications.



Features:

- ◆ Test Setup Memories
- ◆ Tamper Proof Front Panel Controls
- ◆ Simple Menu Control
- ◆ PLC Remote Control
- ◆ Built-in Continuity Test Mode
- ◆ Fully Adjustable Ramp and Dwell
- ◆ Low Current Sense
- ◆ Interconnection Capability



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Slaughter
Instruments for Electrical
Test & Measurement

Cal Power

Slaughter 2900 Series

Unless otherwise stated, accuracies are relative to a laboratory standard measurement.

INPUT

Voltage	115/230V selectable, $\pm 10\%$ variation
Frequency	50/60 Hz $\pm 5\%$
Fuse	115 VAC, 230 VAC - 3.15 Amp fast acting 250V

DIELECTRIC WITHSTAND TEST MODE

Output	Rating:	AC 0 - 5000V, 2V/step, 12 mA DC 0 - 6000V, 2V/step, 5 mA (DC mode on 2935 & 2945 models)
	Voltage :	$\pm (1\% \text{ of output} + 5V)$
Voltage Setting	Range:	0V - max output rating, 10V/step
	Accuracy:	$\pm (2\% \text{ of setting} + 5V)$ 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 (2935 & 2945)
Dwell Timer	Range:	0 and 0.2 - 999.9 seconds 0.1 sec/step 0 for continuous running
Ramp Timer	Range:	0 and 0.2 - 999.9 seconds 0.1 sec/step 0 ramp setting = 0.1 sec fixed ramp 2925 : ramp = 0.1 sec fixed ramp
AC Mode	High Limit:	0.10 - 12.00 mA, 0.01 mA/step
Failure	Low Limit:	0.00, 0.10 - 12.00 mA, 0.01 mA/step (0=OFF) (2925 , 2935 , and 2945)
Settings	Accuracy:	$\pm (2\% \text{ of setting} + 0.02 \text{ mA})$
DC Mode	High Limit:	0.02 - 5.00 mA, 0.01 mA/step
Failure	Low Limit:	0.00, 0.02 - 5.00 mA, 0.01 mA/step (0=OFF) (2925 , 2935 , and 2945)
Settings	Accuracy:	$\pm (2\% \text{ of setting} + 0.02 \text{ mA})$
Timer Display	Range:	0.0 - 999.9 sec
	Resolution:	0.1 sec
	Accuracy:	$\pm (0.1\% \text{ of reading} + 0.05 \text{ sec})$
Discharge Time		$\leq 300\text{ms}$

INSULATION RESISTANCE TEST MODE

Output Voltage	Range:	100 - 1000V DC
	Resolution:	10V/step
	Accuracy:	$\pm (2\% \text{ of reading} + 2 \text{ volts})$
Voltage Display	Range:	100 - 1000V
	Resolution:	10V/step
	Accuracy:	$\pm (2\% \text{ of reading} + 2 \text{ counts})$
Resistance Display	Range:	1-1000 M Ω (4 digit, auto ranging)
	Resolution:	500VDC 1000VDC
		M Ω M Ω M Ω
		0.01 1.00-40.00 1.00-80.00
		0.1 35.0-999.9 75.0-999.9
	Accuracy:	$\pm (3\% \text{ of reading} + 2 \text{ counts})$ at test voltage > 500V
	Accuracy:	$\pm (7\% \text{ of reading} + 2 \text{ counts})$ at test voltage $\leq 500V$
High Limit	Range:	0 - 1000 M Ω (0 = off)
Lo Limit	Range:	1 - 1000 M Ω
Delay Timer	Range:	0, 0.5 - 999.9 sec (0 = constant)
	Resolution:	0.1 sec
	Accuracy:	$\pm (0.1\% \text{ of reading} + 0.05 \text{ sec})$

GENERAL SPECIFICATIONS

Remote Control & Signal Output	The following input and output signals are provided through the 9-pin D-type connector: 1. Remote control: Test and Reset 2. Outputs: Pass, Fail, Test-in-Process
Memory	5 steps
Security	Lockout capability to avoid unauthorized access to test set-up programs.
Calibration	Software and adjustments made through front panel.
Line Cord	Detachable 7 ft (2.13m) power cable terminated in a three prong grounding plug
Mechanical	Tilt up front feet
Dimension (WxHxD)	11" x 3.5" x 14.56" (280 x 89 x 370mm)
Weight	20 lbs. (9 kg)

Interconnection Capability

The 2900 Series can be connected to the 2600 Series, forming a complete system capable of performing the most commonly specified electrical safety tests. The system

is a cost-effective way to test to safety agency standards requiring high voltage testing of insulation and high current testing of the protective ground circuit.



visit us at WWW.HIPOT.COM or call

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