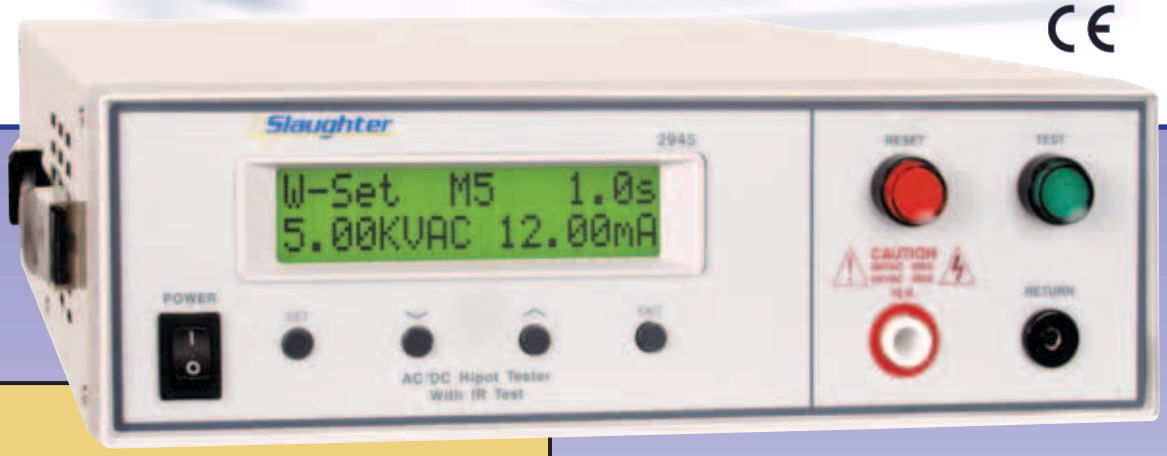
2900 Series Hipot Testers

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

Slaughter®
Instruments for Electrical

Slaughter 2900 Series

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

INPUT		
Voltage	115/230V selectable, ± 10% variation	
Frequency	50/60 Hz ± 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 :	± (1% of output + 5V)
Voltage Setting	Range:	0V - max output rating, 10V/step
	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 (**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 Failure Settings	High Limit: Low Limit: Accuracy:	0.10 - 12.00 mA, 0.01 mA/step 0.00, 0.10 - 12.00 mA, 0.01 mA/step (0=OFF) (**2925**, **2935**, and **2945**) ± (2% of setting + 0.02 mA)
DC Mode Failure Settings	High Limit: Low Limit: Accuracy:	0.02 - 5.00 mA, 0.01 mA/step 0.00, 0.02 - 5.00 mA, 0.01 mA/step (0=OFF) (**2925**, **2935**, and **2945**) ± (2% of setting + 0.02 mA)
Timer Display	Range: Resolution: Accuracy	0.0 – 999.9 sec 0.1 sec ± (0.1% of reading + 0.05 sec)
Discharge Time		≤ 300ms

INSULATION RESISTANCE TEST MODE		
Output Voltage	Range: Resolution: Accuracy	100 – 1000V DC 10V/step ± (2% of reading + 2 volts)
Voltage Display	Range: Resolution: Accuracy	100 – 1000V 10V/step ± (2% of reading + 2 counts)
Resistance Display	Range: Resolution: Accuracy: Accuracy:	1–1000 MΩ (4 digit, auto ranging) 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 ± (3% of reading + 2 counts) at test voltage > 500V ± (7% of reading + 2 counts) at test voltage ≤ 500V
High Limit	Range:	0 - 1000 MΩ (0 = off)
Lo Limit	Range:	1 - 1000 MΩ
Delay Timer	Range: Resolution: Accuracy	0, 0.5 – 999.9 sec (0 = constant) 0.1 sec ± (0.1% of reading + 0.05 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.

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