

HIPOT TESTERS

The 2900 Series offers the latest technology and is well suited for production line Hipot Testing. Additionally, the 2900 Series and the 2600 Series can be interconnected to form a complete Hipot and Ground Bond test system.

The 2900 Series includes three Hipot testing models:

Model 2955 AC Hipot

Slauchter

- Model 2965 AC/DC Hipot
- Model 2975 AC/DC Hipot with Insulation Resistance



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

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INPUT			INSULATION RESISTANCE TEST MODE					
Voltage	115/230 V selectable, ± 15% variation			Range:	100 - 1000) VDC		
Frequency	50/60 Hz ± 5%		Output Voltage	Resolution:	10 V/step			
Fuse	2 A / 250 V fast acting 250 VAC			Accuracy	± (2% of re	eading + 5 V)		
	DIC WITHSTAND TEST MODE			Range:	100 - 1000	V C		
Output	Rating:		Voltage Display	Resolution:	10 V/step			
		AC U - 5000 V, 2 V/step, 12 MA		Accuracy	\pm (2% of reading + 5 V)			
		DC U - 6000 V, 2 V/SIEP, 5 MA		Range:	1–1000 M (4 digit, auto ranging)			
		(DC mode on 2965 & 2975 models)		Resolution:		500 VDC	1000 VDC	
Voltage Setting	VUIIdye . Dongo:	$\pm (1\% 01000000000000000000000000000000000$			Μ	М	Μ	
	ndilyt. Pocolution:		Resistance Display		0.01	1.00-40.00	1.00-80.00	
	<i>NESUIULIUII.</i>	U.UT KV			0.1	35.0-999.9	75.0–999.9	
	Accuracy:	\pm (2 % OF Setting + 5 V) relative to displayed		Accuracy:	± (3% of re	eading + 2 coun	ts)	
		LIP and DOWN arrow keys			at test volta	age > 500 V		
AC Output Frequency		50/60 Hz user selectable		Accuracy:	± (7% of re	eading + 2 coun	ts)	
no ouput noquonoj	Form:	Sine wave			at test volta	$age \le 500 V$		
AC Wave Form	Distortion:	< 2% THD	High Limit	Range:	0 - 1000 N	1(0 = off)		
DC Ripple	Diotortioni	< 5% at 6 kVDC / 5 mA (2965 & 2975)	Low Limit	Range:	1 - 1000 N			
Dwell Timer	Range:	0 and 0.2 - 999.9 seconds		Range:	0, 0.5 – 99	$9.9 \sec(0 = \cot)$	istant)	
		0.1 sec/step	Delay Timer	Resolution:	0.1 sec			
		0 for continuous running		Accuracy	± (0.1% 0f	reading $+ 0.05$	Sec)	
Ramp Timer	Range:	0 and 0.2 - 999.9 seconds	GENERAL SP	ECIFICAT	IONS			
		0.1 sec/step		The following input and output signals are provided				
		0 ramp setting = 0.1 sec fixed ramp	Remote Control	through the 9-pin D-type connector: 1. Remote control: Test, Reset & Interlock				
		2955: ramp = 0.1 sec fixed ramp	& Signal Output					
AC Mode Failure Settings	High Limit:	0.10 - 12.00 mA, 0.01 mA/step	, , , , , , , , , , , , , , , , , , ,	2. Outputs: Pass, Fail, Test-in-Process				
	Low Limit:	0.00, 0.10 - 12.00 mA, 0.01 mA/step	Memory	10 memories	iemories			
		(0=0FF) (2955, 2965, and 2975)		Lockout capability to avoid unauthorized access to all test				
	Accuracy:	± (2% of setting + 0.02 mA)	Security	parameters. Memory lockout to avoid unauthorized access				
DC Mode Failure Settings	High Limit:	0.02 - 5.00 mA, 0.01 mA/step		to memory locations.				
	Low Limit:	0.00, 0.02 - 5.00 mA, 0.01 mA/step (0=0FF)	Interlock	Remote safet	y interlock st	andard.		
		(2965 and 2975)	Calibration	Software and adjustments made through front panel.				
	ACCUIACY:	\pm (2% OF Setting + 0.02 mA)	Line Cord	Jetachable / TT (2.13m) power cable terminated in a three				
Timer Display	Range:	0.0 - 999.9 Sec	Interface	prong grounding plug				
	nesululiuli.	0.1 Sec	IIILEITACE Maabapiaal	Uptional RS-	LIUIIdI NO-202 IIIUIIdUU			
Dischargo Timo	Accuracy.	$\pm (0.1\% \text{ OI reduing} \pm 0.05 \text{ Sec})$		11" x 2 5" x 11 91" (200 x 90 x 200mm)				
Ground Continuity Check	Current	$\sim 200 \text{ ms}$	DIIIIEIISIUII (WXIIXD) Woight	$11 \times 3.3 \times 30$ lbs (0 kg)	11.01 (200)	x 09 x 30011111)		
	High Limit	0.00-1.50 O	Weight	20 IDS. (9 KY))			
	Low Limit	0.00-1.50 S2						
	Offset [.]	0 00-0 50 Q						
	Resolution [.]	0.01 Q						
	Accuracy	$+ (2\% \text{ of setting} + 0.02 \Omega)$						
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