

1300 Series



Hipot testers

Our 1300 Series Hipot testers are designed for tough manufacturing environments. With a simple feature set and the most intuitive user interface on the market, the 1300 Series improves productivity and ensures safe, reliable testing for any application.

Relevant Applications

- Motors
- Manufactured / Modular Homes
- Recreational Vehicles

1305:

3 kV



1340:

2.5 kV



1300 Series Features:



- Portable design and user-friendly interface
- Exclusive PULSE mode for continuous testing
- Remote Safety Interlock (1340)
- Optional Ground Continuity (1340)

Model 1300 Specifications

INPUT

Voltage	115/230 VAC ± 15%, user selection
Frequency	47-63 Hz
Fuse	115 VAC, 230 VAC – 3.15 A slow blow 250 VAC

TEST MODE

Output Rating	1305:	AC 0 – 3000 V, 5 mA
	1340:	2.5 kVAC @ 40 mA 2.5 kVAC @ 10 mA when PULSE mode is activated
Output Regulation	± (1% of setting + 5 volts) from no load to full load	
Voltage Setting	Can be adjusted during operation via UP and DOWN arrow keys.	
	1305:	0.01 kV – 3.00 kV
	1340:	0.00 – 2.50 kV
	Resolution:	10 V/step
Accuracy:	± (2% of setting + 5 volts) relative to displayed output	
	1305:	On, HV remains on after “TEST” button is pushed Off, HV present only when “TEST” button is pushed
Dwell Setting	1340:	0.0 sec, 1.0 sec, 60.0 sec, off 0.0 for continuous running OFF: HV present only when “TEST” button is pushed
	1305:	On, Automatic reset after failure for continuous testing. (Not for Compliance Testing)
Ramp/Pulse Setting	1340:	PULSE: automatic reset after failure for continuous testing. Range: Pulse, 0.1 – 999.9 sec Resolution: 0.1 second/step Accuracy: ± (0.1% + 0.05 sec)
	Not for compliance testing.	
	1305:	High Limit: 0.00 – 5.00 mA Resolution: 0.01 mA / Step Accuracy: ± (2 % of setting + 0.02 mA)
		1340:

METERING (4 digits)

Voltmeter	1305:	Range: AC 0.00 – 3.00 kV
		Resolution: 0.01 kV
		Accuracy: ± (2 % of reading + 10 V)
1340:	Range: 0.00 – 2.50 kV	
	Resolution: 0.01 kV	
	Accuracy: ± (2% of reading + 10 volts)	
Ammeter	1340:	0.00 – 40.00 mA,
		Range: 0.00 – 10.00 mA when PULSE mode is activated
		Resolution: 0.01 mA
		Accuracy: ± (2% of reading + 0.02 mA)
Timer	1340:	Range: 0.0 – 999.9 sec
		Resolution: 0.1 sec
		Accuracy: ± (0.1% of reading + 0.05 sec)

GENERAL SPECIFICATIONS

The following input and output signals are provided through the 9 pin D type connector:	
Remote Control	1305: Test Input
	1340: Test, reset, and interlock
	Outputs: pass, fail, and test-in-process
Optional Ground Continuity Check	Current: DC 0.1 A ± 0.01 A, fixed
	Max Ground Resistance: 1 Ω ± 0.1 Ω, fixed
Calibration	Software & adjustments made through front panel
Mechanical	Bench top model
Line Cord	Detachable 6' (1.80 m) power cable terminated in a three-prong grounding plug
	6' (1.80 m) high voltage safety retracting probe
Terminations	6' (1.80 m) high voltage clip probe
	6' (1.80 m) return clip lead
Dimension	(W x H x D) 4.75" x 5.75" x 14.5" (120 x 146 x 370 mm)
	Weight
1340: 20 lbs. (9 kg)	

Specifications subject to change without notice.

Why We Use Counts

Slaughter publishes some specifications using “counts” which allows us to provide a better indication of the tester’s capabilities across measurement ranges. A count refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts = 2V.

1305 Supplied Accessories

102-050-913	High Voltage Probe (6 ft.)
102-069-904	Return Clip (6 ft.)
125-013-001	Input Power Cable (6 ft.)
99-10097-01	Fuse

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125-013-001	Input Power Cable (6 ft.)
99-10398-01	Fuse