## 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


1300 Series Features:



Setup


- 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 $115 / 230 \mathrm{VAC} \pm 15 \%$, user selection |  |  |
| Frequency $47-63 \mathrm{~Hz}$ |  |  |
| Fuse $115 \mathrm{VAC}, 230 \mathrm{VAC}-3.15$ A slow blow 250 VAC |  |  |
| TEST MODE |  |  |
| Output Rating | 1305: | AC $0-3000 \mathrm{~V}, 5 \mathrm{~mA}$ |
|  | 1340: | 2.5 kVAC @ 40 mA |
|  |  | 2.5 kVAC @ 10 mA when PULSE mode is activated |
| Output Regulation | $\pm$ ( $1 \%$ of setting +5 volts) from no load to full load |  |
| Voltage Setting | Can be adjusted during operation via UP and DOWN arrow keys. |  |
|  | 1305: | $0.01 \mathrm{kV}-3.00 \mathrm{kV}$ |
|  | 1340: | $0.00-2.50 \mathrm{kV}$ |
|  | Resolution | $10 \mathrm{~V} /$ step |
|  | Accuracy: | $\pm$ ( $2 \%$ of setting +5 volts) relative to displayed output |
| Dwell Setting | 1305: | On, HV remains on after "TEST" button is pushed |
|  |  | Off, HV present only when "TEST" button is pushed |
|  | 1340: | $0.0 \mathrm{sec}, 1.0 \mathrm{sec}, 60.0 \mathrm{sec}$, off |
|  |  | 0.0 for continous running |
|  |  | OFF: HV present only when "TEST" button is pushed |
| Ramp/Pulse Setting | 1305: | On, Automatic reset after failure for continuous testing. (Not for Compliance Testing) |
|  | 1340: | PULSE: automatic reset after failure for continous testing. |
|  |  | Range: Pulse, $0.1-999.9 \mathrm{sec}$ |
|  |  | Resolution: 0.1 second/step |
|  |  | Accuracy: $\pm(0.1 \%+0.05 \mathrm{sec})$ |
|  | Not for compliance testing. |  |
| Failure Setting | 1305: | High Limit: $0.00-5.00 \mathrm{~mA}$ |
|  |  | Resolution: $0.01 \mathrm{~mA} /$ Step |
|  |  | Accuracy: $\pm$ ( $2 \%$ of setting +0.02 mA ) |
|  | 1340: | $0.00-40.00 \mathrm{~mA}$, |
|  |  | High Limit: $\quad 0.00-10.00 \mathrm{~mA}$ when PULSE mode is activated |
|  |  | Resolution: $0.01 \mathrm{~mA} /$ step |
|  |  | Accuracy: $\pm$ ( $2 \%$ of setting $+0.02 \mathrm{~mA})$ |
| METERING (4 digits) |  |  |
| Voltmeter | 1305: | Range: $\quad$ AC $0.00-3.00 \mathrm{kV}$ |
|  |  | Resolution: 0.01 kV |
|  |  | Accuracy: $\pm$ ( $2 \%$ of reading +10 V ) |
|  | 1340: | Range: $0.00-2.50 \mathrm{kV}$ |
|  |  | Resolution: 0.01 kV |
|  |  | Accuracy: $\pm$ ( $2 \%$ of reading +10 volts) |
| Ammeter | 1340: | $0.00-40.00 \mathrm{~mA}$, |
|  |  | Range: $0.00-10.00 \mathrm{~mA}$ when |
|  |  | PULSE mode is activated |
|  |  | Resolution: 0.01 mA |
|  |  | Accuracy: $\pm$ ( $2 \%$ of reading +0.02 mA ) |
| Timer | 1340: | Range: $0.0-999.9 \mathrm{sec}$ |
|  |  | Resolution: 0.1 sec |
|  |  | Accuracy: $\begin{array}{ll} \pm(0.1 \% \text { of reading }+0.05 \\ & \text { sec })\end{array}$ |


| GENERAL SPECIFICATIONS |  |
| :---: | :---: |
| Remote Control | The following input and output signals are provided through the 9 pin D type connector: |
|  | 1305: Test Input |
|  | 1340: Test, reset, and interlock |
|  | Outputs: pass, fail, and test-in-process |
| Optional Ground Continuity Check | Current: $\quad \mathrm{DC} 0.1 \mathrm{~A} \pm 0.01 \mathrm{~A}$, fixed |
|  | Max |
|  | Ground $\quad 1 \Omega \pm 0.1 \Omega$, fixed Resistance: |
| Calibration | Software \& adjustments made through front panel |
| Mechanical | Bench top model |
| Line Cord | Detachable 6' $(1.80 \mathrm{~m})$ power cable terminated in a three-prong grounding plug |
| Terminations | $6^{\prime}(1.80 \mathrm{~m})$ high voltage safety retracting probe |
|  | $6^{\prime}(1.80 \mathrm{~m})$ high voltage clip probe |
|  | $6^{\prime}(1.80 \mathrm{~m})$ return clip lead |
| Dimension | $\begin{aligned} & (\mathrm{W} \times \mathrm{H} \times \mathrm{D}) 4.75^{\prime \prime} \times 5.75^{\prime \prime} \times 14.5^{\prime \prime} \\ & (120 \times 146 \times 370 \mathrm{~mm}) \end{aligned}$ |
| Weight | 1305: $\quad 16.0 \mathrm{lbs} .(7.25 \mathrm{kgs})$ |
|  | 1340: $\quad 20 \mathrm{lbs} .(9 \mathrm{~kg})$ | 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 1 V then 2 counts $=2 \mathrm{~V}$.

## 1305 Supplied Accessories

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

## 1340 Supplied Accessories

| 102-050-913 | High Voltage Probe (6 ft.) |
| :--- | :--- |
| 102-055-913 | High Voltage Clip (6 ft.) |
| 102-069-904 | Return Clip (6 ft.) |
| $125-013-001$ | Input Power Cable (6 ft.) |
| $99-10398-01$ | Fuse |

