

2600 Series Ground Bond Testers

The 2600 Series of Ground Bond testers offers advanced technology at an attractive price. Featuring 30 Amp (2630) and 60 Amp (2660) output current capability, the 2630 and 2660 are ideal for production line Ground Bond testing. Both models are designed for stand-alone Ground Bond testing applications or as companion instruments to the 2900 Series of Hipot testers.



Features:

- ◆ Test Setup Memories
- ◆ Tamper Proof Front Panel Controls
- ◆ Simple Menu Control
- ◆ PLC Remote Control
- ◆ Milliohm Offset Capability
- ◆ Electronic Dwell Settings
- ◆ Adjustable Output Current & Milliohm Trip Ranges
- ◆ Interconnection Capability



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Slaughter 2600 Series

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

GENERAL SPECIFICATIONS

Remote Control & Signal Output	The following input and output signals are provided through two 9-pin D-type connectors: 1. Remote control: Test, Reset, and Withstand Processing 2. Outputs: Pass, Fail, Test-in-Process, Start Out, and Reset Out
Memory	5 sets
Security	Key Lock capability to avoid unauthorized access to all test parameters. Memory Lock capability to avoid unauthorized access to memory locations.
Line Cord	Detachable 6 ft (1.80m) power cable terminated in a three prong grounding plug
Terminations	5 ft (1.52m) high current and return leads with clips
Mechanical	Tilt up front feet
Dimension (WxHxD)	2630: 11" x 3.5" x 14.56" (280 x 89 x 370mm) 2660: 16.875" x 5.25" x 15.625" (430 x 130 x 400mm)
Weight	2630: 20 lbs. (9 kg) 2660: 44.1 lbs. (20 kg)
Environmental	Operating Temperature: 32° - 104°F (0° - 40°C) Relative Humidity: -20% to 80%
Calibration	Traceable to National Institute of Standards and Technology (NIST). Calibration controlled by software. Adjustments are made through front panel keypad in a restricted access calibration mode. Calibration information stored in non-volatile memory.

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.



INPUT

Voltage	115/230 VAC ± 10%, user selection
Frequency	50/60 Hz ± 5%
Fuse	2630: 6.3 Amp 250V Slo-Blo 2660: 15 Amp 250V Slo-Blo

GROUND BOND TEST MODE

Output Rating	Current:	2630: 3.0 - 30.0 Amps AC 2660: 3.0 - 60.0 Amps AC	
	Resolution:	0.1 Amp	
	Regulation:	± (2% of setting + 0.02 A)	
	Voltage:	2630: 6 Volts AC, fixed 2660: 12 Volts AC, fixed	
Output Frequency	50 / 60 Hz user selectable		
Dwell Timer	Range:	0 and 0.5 - 999.9 seconds 0 for continuous running	
	Resolution:	0.01 second	
	Accuracy:	± (0.1% of setting + 0.05 seconds)	
High Limit	Range:	2630: 0 - 510 mΩ 2660: 0 - 600 mΩ	
	Current:	2630: 0 - 510 mΩ for 0.0 - 10.0 Amps 0 - 200 mΩ for 10.1 - 25.0 Amps 0 - 150 mΩ for 25.1 - 30.0 Amps 2660: 0 - 600 mΩ for 0.0 - 15.0 Amps 0 - 300 mΩ for 15.1 - 30.0 Amps 0 - 150 mΩ for 30.1 - 60.0 Amps	
		Resolution:	1 mΩ
		Accuracy:	± (2% of setting + 2 mΩ)
Offset Capability	Range:	0 - 100 mΩ	
	Resolution:	1 mΩ	
	Accuracy:	± (2% of setting + 2 mΩ)	
Current Display	Range:	2630: 0.0 - 30.0 Amps 2660: 0.0 - 60.0 Amps	
	Resolution:	0.1 Amp	
	Accuracy:	± (3% of reading + 0.03 Amps)	
Ohmmeter Display	Range:	2630: 0 - 510 mΩ 2660: 0 - 600 mΩ	
	Resolution:	1 mΩ	
	Accuracy:	2630: ± (2% of reading + 2 mΩ) 2660: ± (3% of reading + 3 mΩ) for 3 - 5.9 Amps ± (2% of reading + 2 mΩ) for 6 - 60 Amps	
	Timer Display	Range:	0.1 - 999.9 sec
	Resolution:	0.1 sec	
	Accuracy:	± (0.1% of reading + 0.05 sec)	



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