



GRAE LLC, 2162 Ecroyd Ave, Simi Valley, CA 93063 USA 805-587-1588 www.graellc.net

# Calibration Certificate

Model No: Model 101 Battery Simulator  
 Serial No: .....  
 Temperature: .....  
 Relative Humidity: .....

Received Date: .....  
 Certificate No: X-1500  
 Procedure: J1-101 al

- Initial Condition:  In Tolerance  
 (check)  Out Of Tolerance  
 Repairs Needed  
 New Product N/A

Final Condition:  calibrated  
 Date: .....

**Calibration Standards Used:**

Manufacturer	Model Number	Cal Date	Due Date
Keithley	2100 6 1/2 Digit Multimeter	May 22nd 2009	May 22nd 2010

Parameter:	Expected:	Measured:	P/F
Output Voltage 4.200V	4.190V - 4.210V		
Output Voltage 2.500V	2.490V - 2.510V		
Output Current -2.000A Sink	-1.990A - 2.010A		
Output Current -1.000A Sink	-0.990A - 1.010A		
Output Current -0.100A Sink	-0.090A - 0.110A		
Output Current 0.000A	0.000A +/- 0.001A		
Output Current +0.100A Source	+0.090A - 0.110A		
Output Current +1.000A Source	+0.990A - 1.010A		
Output Current +2.000A Source	+1.990A - 2.010A		
ESR 0.0 Ohm Measured Droop at 1.000A	0.000V +/-0.01		
ESR 1.0 Ohm Measured Droop at +1.000A	-1.000V +/-0.01		
ESR 1.0 Ohm Measured Droop at -1.000A	+1.000V +/-0.01		
ESR 2.0 Ohm Measured Droop at +1.000A	-2.000V +/-0.01		
ESR 2.0 Ohm Measured Droop at -1.000A	+2.000V +/-0.01		

Technician: \_\_\_\_\_