CERTIFICATE OF CALIBRATION

Prepared by:	Siborg Systems, Inc.		
Serial Number:	16091	*Software Version:*	R.1.04
Temperature:	23±2C	*Relative Humidity:*	50+20%
Model:	LCRR1	*Procedure Used:*	4/6RES3.07
Certificate Date:	10/1/2015 12:27:31 PM		

This certified that above product was calibrated using applicable procedure.

As received condition: Factory tested

As shipped condition: At the completion of calibration this product meets published specification

Special Requirements: Re-certification of calibration will be performed upon request

Calibration Equipment Used: Smart Tweezers ST5S Calibration Module LVC139-CAL (Certificate of calibration #136455 by Navair Technologies, Inc.)

Accuracy Specification

Parameter	Measurement Range	Basic Measurement Accuracy *
Resistance	100 Ω to 10 kΩ	Better than 1%
	0.1 Ω to 5 MΩ	Better than 0.5%
Capacitance	10 nF to 100 µF	Better than 1%
	100 pF to 5000 µF	Better than 0.5%
Inductance	1 µH to 1 H	Better than 1%
	1.0 µH to 999 mH	Better than 1%

Maximum measurement ranges

Resistance R: 0.05 Ω to 9.9 MΩ
Inductance L: 0.5 µH to 999 mH
Capacitance C: 0.5 pF to 999 µF

Maximum resolution

Resistance: 10 mΩ **Capacitance**: 0.1 pF **Inductance**: 0.1 µH

** with 4-wire bench calibration at optimum test frequencies, ranges, DUT value, without offset. 2-wire measurements may introduce precision uncertainty up to 0.5%*

Parameter	Measurement Range	Test Frequency
Resistance	0.1 Ω to 10 MΩ	1 kHz
Capacitance	2 pF to 999 pF	10 kHz
	1000 pF to 1 µF	1kHz
	1 µF	100 Hz
Inductance	0.5 µH to 1mH	10 kHz
	1 mH to 999 mH	1 kHz
	>100 mH	100 Hz

Typical Offset:

Resistance: 25 mΩ **Capacitance**: 0.35 pF **Inductance**: 0.1 µH

Offset value should be subtracted from measurement result for small values (R < 10Ω, C < 100 pF, L < 10uH)