

Scope of Accreditation For Loy Instrument, Inc.

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In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Loy Instrument, Inc.** to perform the following Calibrations:

Accreditation granted through: **March 17, 2013**

Calibration

Electricity and Magnetism – Voltage

Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
DC Voltage	(0 to 50) mV	7 μ V	Digital Multimeter
	(0 to 10) V	6.2 mV	
Thermocouple mV Simulation			Precision Process Calibrator
Type K	(32 to 2250) °F	0.72 °F	
Type J	(32 to 1600) °F	0.73 °F	
Type R	(32 to 3000) °F	0.74 °F	
Type S	(32 to 3200) °F	0.8 °F	
Type T	(-200 to 750) °F	0.77 °F	
Type N	(32 to 2250) °F	0.72 °F	
Type B	(1200 to 3000) °F	0.77 °F	
Type C	(600 to 4200) °F	0.76 °F	
Type E	(32 to 1200) °F	0.74 °F	

Electricity and Magnetism – Current

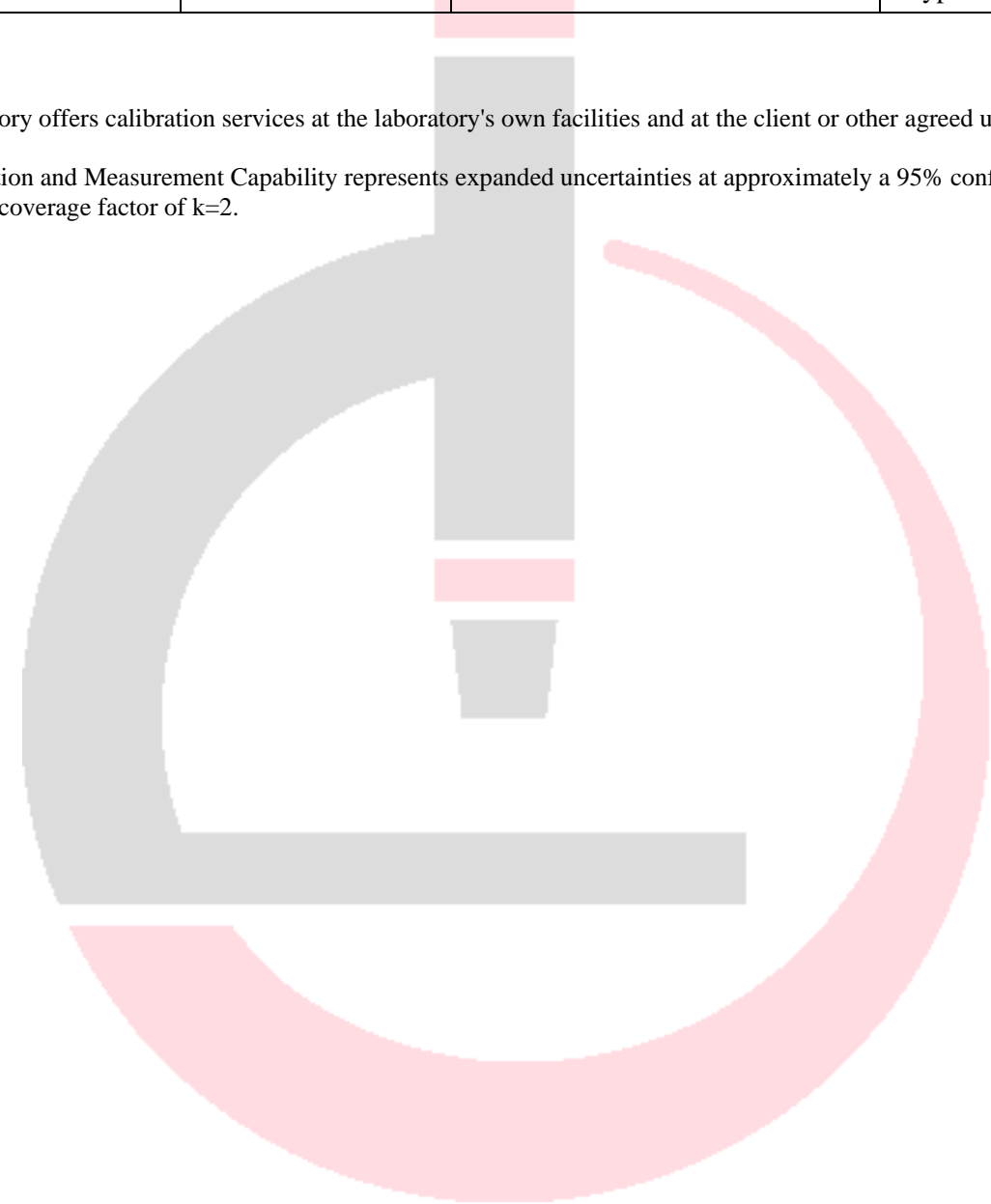
Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
DC Current	(4 to 20) mA	6.7 μ A	Digital Multimeter

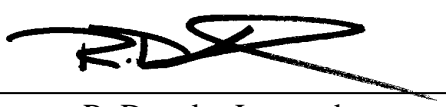
Thermodynamic – Thermometers

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Temperature Measure	32 °F	0.61 °F	Ice Bath and Type T Thermocouple

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.
- 2) Calibration and Measurement Capability represents expanded uncertainties at approximately a 95% confidence level using a coverage factor of k=2.



Approved by: 
 R. Douglas Leonard
 Chief Technical Officer

Date: March 3, 2011

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