

Scope of Accreditation

For

Loy Instrument, Inc

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Indianapolis, IN 46219
Denise Grafe
317-890-0474

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 Volts	0 mV to 50 mV	7 μ V	Comparison performed with process calibrator & DMM

Electricity and Magnetism – Current

Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
DC Current	4 mA to 20 mA	6.8 μ A	Comparison performed with process calibrator & DMM

Electricity and Magnetism – Electrical Millivolt Simulation

Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Type K	32 °F to 2250 °F	0.72 °F	Precision Process Calibrator used as reference standard
Type J	32 °F to 1600 °F	0.73 °F	
Type R	32 °F to 3000 °F	0.74 °F	
Type S	32 °F to 3200 °F	0.8 °F	
Type T	-200 °F to 750 °F	0.77 °F	
Type N	32 °F to 2250 °F	0.72 °F	
Type B	1200 °F to 3000 °F	0.77 °F	
Type C	600 °F to 4200 °F	0.76 °F	
Type E	32 °F to 1200 °F	0.74 °F	

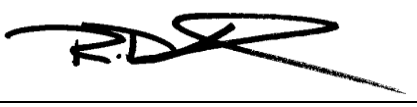
Thermodynamic – Thermocouples

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Cold Junction	32 °F	0.37 °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: May 3, 2010

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