



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

IMP ELECTRONIC SYSTEMS
3101 Hammonds Plains Road
Hammonds Plains, Nova Scotia, Canada B3Z 1H7
Tony Perry Phone: 1 902 873 2250 ext 3931

CALIBRATION

Valid To: June 30, 2020

Certificate Number: 4741.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Dimensional

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Calipers	Up to 12 in (12 to 24) in	300 µin (600 + 5L) µin	Starrett RC88.AA gauge block set; Standridge granite grade AA surface plate
Dial Indicators	Up to 1 in	30 µin	Pratt & Whitney Labmaster™ 175; Starrett RC88.AA gauge block set
Gage Blocks	Up to 12 in	30 µin	Pratt & Whitney Labmaster™ 175; Starrett RC88.AA gauge block set

Parameter/Equipment	Range	CMC ² (±)	Comments
Micrometers	Up to 12 in	80 μin	Starrett RC88.AA gauge block set, Labmaster LAP5-0009-001-0225 optical flat, CP-2 monochromatic light; Mitutoyo 157-109 optical parallel, Standridge granite grade AA surface plate
Pin Gauges, Plugs	Up to 1 in	30 μin	Pratt & Whitney Labmaster™ 175, Starrett RC88.AA gauge block set

II. Mechanical

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Torque	(1 to 10) oz·in (10 to 100) oz·in (0 to 50) lbf·in (0 to 150) lbf·in (0 to 250) lbf·in (1 to 2000) lbf·ft	0.5 % 0.25 % 0.30 % 0.30 % 0.30 % 0.60 %	

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ In the statement of CMC, the percentage is a percentage of indicated reading.

⁴ In the statement of CMC, L is the numerical value of the nominal length of the device measured in inches.



Accredited Laboratory

A2LA has accredited

IMP ELECTRONIC SYSTEMS

Hammonds Plains, Nova Scotia, CANADA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 18th day of May 2018.

A blue ink signature of the Vice President of the Accreditation Council.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4741.01
Valid to June 30, 2020
Revised March 20, 2020

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.

