CLAS Certificate Number 2015-02

Company name	**Select Calibration Incorporated**
Company address	213 Fourth St. P.O. Box 96 Rodney, Ontario N0L 2C0
Contact	**Ron Jakl** **Telephone**: 519-902-7215 **Email**: ronjakl@selectcalibration.ca
Clients served	• All interested parties • On-site calibration services only
Fields of calibration	• Dimensional
Accreditation body	• Standards Council of Canada (SCC)
ISO/IEC 17025	• SCC file number: 151012 • First issued 2015-08-06 • Issue 3.1e 2024-05-06

This CLAS Certificate is published by the CLAS service of the National Research Council of Canada (NRC) in cooperation with the laboratory accreditation of the Canadian Association for Laboratory Accreditation (CALA) and the Standards Council of Canada (SCC). The accreditation body recognizes the capability of the named laboratory for being able to perform calibrations as per the listed Calibration and Measurement Capabilities with metrological traceability to the International System of Units (SI) or to standards acceptable to CLAS. See supplementary notes.

Dimensional

Coordinate Measuring Machines (CMM)

Acceptance and reverification tests for CMM – CMMs used for measuring size.

On-site services as per ASME B89.4.10360-2, ISO 10360-2 and SCI-011. See note [1]

Measured Quantity & Range or Instrument	Expanded Measurement Uncertainty	Type	Remarks
Gauge, length:			
10 to 1010 mm	± (0.00099 + 0.00121L + 0.00035L^2) mm where L is the length in m	III (three)	See note [2]
Laser and Gauge Block, length:			
10 to 6000 mm	± (0.0004 + 0.0011L + 0.00002L^2) mm where L is the length in m	III (three)	See note [3]
Sphere, repeatability Rpt:			
Up to 30 mm	0.0007 mm	III (three)	N/A (Non applicable)
Gauge, repeatability R0:			
10 to 1010 mm	0.0004 mm	III (three)	N/A (Non applicable)
Laser and Gauge Block, repeatability R0:			
10 to 6000 mm	0.0004 mm	III (three)	N/A (Non applicable)

1	The conformance to specification of the CMM is made in accordance with ISO 14253-1 taking into account all test measurement uncertainties.
2	This CMC is obtained using a material standard of size of normal coefficient of thermal expansion, being at least 66% of the longest spatial diagonal of the measuring volume of the CMM at a temperature of 20.0°C.
3	This CMC is obtained using a laser interferometer measuring technique at a temperature of 20.0°C.

From: National Research Council Canada

Date modified:
2024-05-07