ISO/IEC 10360-2:2009 Calibration Report

SCC Accredited LAB Accrédité CCN

The SCC Accreditation Symbol is an official symbol of the Standards Council of Canada, used under licence.

Select Calibration Incorporated

213 Fourth St. PO Box 96
Rodney, Ontario
N0L 2C0
(519) 902 7215
www.selectcalibration.ca

Customer: **Some Company**
Address: **1024 Binary Way**
Somewhere, Ontario
N0L 2C0
Contact: **Manager**
Phone: **519 929 9922 x256**

Machine Model: **Global Status**
Machine Model Id: **12.22.10**
Serial Number: **90210**
Customer Gauge:
Temperature Min: **19.0 ˚C**
Temperature Max: **21.0 ˚C**

Calibration Date: **12 May 2023**
Certificate Number: **Sample_10-R8**
SCC Certification Number: **2015-02**
SCC File Number: **151012**

Remarks

Select Calibration Incorporated certifies the measurement performance of this equipment to the resolution of the measurement uncertainty estimated by SCI. SCI's quality system conforms to the requirements of ISO/IEC 17025:2017. The calibration procedure for testing the machine performance is ISO/IEC 10360-2:2009 with supplemental procedure SCI-011 defining methods followed by SCI to meet the requirements.

The calibration laboratory accredited by the Standards Council of Canada (SCC) has assessed and certified specific calibration capabilities of this laboratory and traceability to the International System of Units (SI) or to standards acceptable to SCC. This certificate of calibration is issued in accordance with the conditions of certification and accreditation granted by SCC. SCC does not guarantee the accuracy of individual calibrations by accredited laboratories.

Reported results relate to only the items tested. Reported uncertainties are expanded using a coverage factor k = 2 for a confidence level of approximately 95%, assuming a normal distribution. Metrological traceability is achieved from a clear definition of the measured, the unbroken chain of comparisons of calibration artifacts to the applicable SI unit using laboratories that have demonstrated technical competence, and the accumulation of measurement uncertainty through each step in the calibration chain.

Results are reported as inside specification when the measurand increased by the expanded measurement uncertainty is contained within the specification limit. Results are reported as outside specification when the measurand reduced by the expanded measurement uncertainty is outside the specification limit. When neither condition applies the result will be reported as compliance unknown.

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Conditions

Environmental:

X	Manufacturer recommended requirements as described in the system User's Manual.
	Custom requirements. *

* Machines in poor thermal environments are likely to have errors which may not be completely revealed by testing in the same environment. Temperature measurements are from a subset of the entire machine volume.

Adjustments and Reporting:

	No adjustment was performed.
X	Adjustments were done to improve performance.
X	Compliance statements included on report.
X	Measurement uncertainty included on report.

Reference Standards and Unit Under Test

Description	Standard ID	CTE	Length	Cal. Date	Due Date
Laser	**L-4975**			**Aug 10 2020**	**Aug 10 2022**
Gauge Block	**GB-131417**	**10.8**	**12.7**	**Apr 7 2022**	**Apr 15 2024**
Step Gauge	**SG-1520007**	**10.8**	**1010.0**	**Apr 6 2022**	**Apr 15 2023**
Thermometer	**T-75014120711-141732**			**Oct 7 2021**	**Oct 7 2022**

Effective CTE of machine scales: **8.0**
Scale Resolution: **0.000500**
Probe Type: **TP20-SF**
Probe Stylus: **4 mm diameter, 20 mm length**

Signed By: Tech: Ron Jakl Date: Apr 19, 2026

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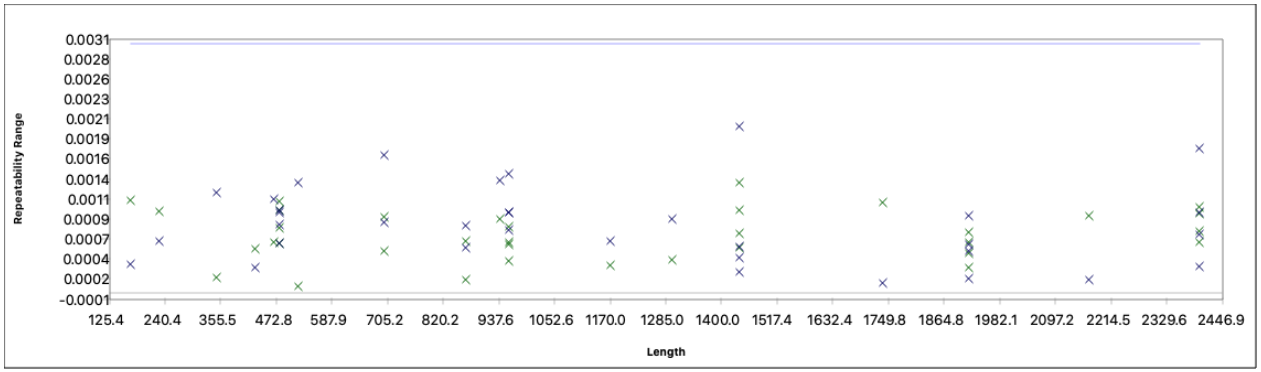
Length Repeatability (R0)

For each E0 length the range is calculated as the difference between the maximum and minimum individual lengths. The repeatability (R0) is the largest range of the measurement lengths.



R0 MPL: **0.0030**
As Found R0: **0.0013**
As Left R0: **0.0020**

As Found Average R0: **0.0007**
As Left Average R0: **0.0008**

Uc (*k*=2): **0.0004**

Meets or exceeds specification (ISO 10360-2 Section 6.4)

Description	Nominal	Range	Description	Nominal	Range	Description	Nominal	Range	Description	Nominal	Range	Description	Nominal	Range
Position 1	480	0.0011	Position 5	230	0.0010	Position 2	480	0.0006	Position 6	430	0.0003			
As Found	960	0.0004	As Found	470	0.0006	As Left	960	0.0014	As Left	870	0.0008			
	1440	0.0007		700	0.0005		1440	0.0003		1300	0.0009			
	1920	0.0005		940	0.0009		1920	0.0006		1740	0.0001			
	2400	0.0006		1170	0.0003		2400	0.0017		2170	0.0002			
Position 2	480	0.0010	Position 6	430	0.0005	Position 3	480	0.0010	Position 7	170	0.0003			
As Found	960	0.0008	As Found	870	0.0002	As Left	960	0.0010	As Left	350	0.0012			
	1440	0.0013		1300	0.0004		1440	0.0004		520	0.0013			
	1920	0.0006		1740	0.0011		1920	0.0002		700	0.0008			
	2400	0.0010		2170	0.0009		2400	0.0003		870	0.0005			
Position 3	480	0.0008	Position 7	170	0.0011	Position 4	480	0.0008						
As Found	960	0.0006	As Found	350	0.0002	As Left	960	0.0008						
	1440	0.0010		520	0.0001		1440	0.0020						
	1920	0.0003		700	0.0009		1920	0.0009						
	2400	0.0010		870	0.0006		2400	0.0007						
Position 4	480	0.0006	Position 1	480	0.0010	Position 5	230	0.0006						
As Found	960	0.0006	As Left	960	0.0010	As Left	470	0.0011						
	1440	0.0005		1440	0.0006		700	0.0017						
	1920	0.0007		1920	0.0005		940	0.0014						
	2400	0.0007		2400	0.0010		1170	0.0006						

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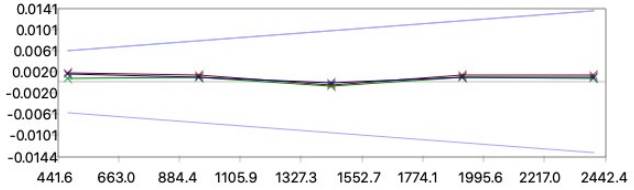
Length Measurement Error (E0)

Five calibrated test lengths are measured three times with a zero (or minimal) tip offset. The length measurement error (E0) is the maximum length deviation from the fifteen length measurements. The compliance statement opinion is based on the maximum length deviation from the fifteen measurements, the expanded measurement uncertainty, and the machine specifications. Correction of the reference artifacts and machine scales for thermal expansion are done within the inspection software of the machine. No correction for thermal effects are performed external of the inspection software.

Position 1

As Found

	X	975.828
	Y	14.879
Translation:	Z	-893.487
	I	-0.413217989
	J	0.859621936
Meas. Axis:	K	0.300501284



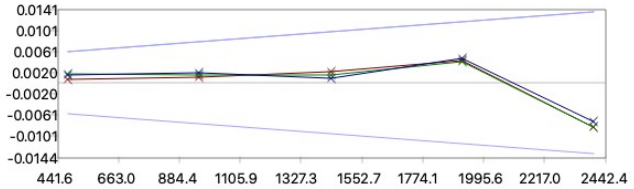
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
479.9979	479.9997	1.8	479.9986	0.7	479.9994	1.5	0.0013
959.9984	959.9997	1.3	959.9993	0.9	959.9993	0.9	0.0017
1440.0001	1439.9995	-0.7	1439.9992	-0.9	1439.9999	-0.2	0.0022
1919.9981	1919.9994	1.3	1919.9989	0.9	1919.9990	0.9	0.0028
2399.9982	2399.9995	1.3	2399.9989	0.7	2399.9990	0.8	0.0034

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0018**

Position 2

As Found

	X	1028.480
	Y	2071.453
Translation:	Z	-884.836
	I	-0.433079792
	J	-0.854320876
Meas. Axis:	K	0.287363417



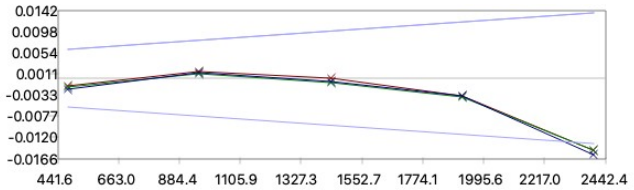
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
479.9983	479.9989	0.6	479.9999	1.6	479.9998	1.5	0.0012
959.9978	959.9990	1.2	959.9994	1.6	959.9998	1.9	0.0015
1439.9982	1440.0003	2.1	1439.9998	1.6	1439.9990	0.8	0.0020
1919.9952	1919.9995	4.2	1919.9994	4.1	1920.0000	4.7	0.0026
2400.0075	2399.9990	-8.5	2399.9990	-8.5	2400.0000	-7.4	0.0032

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0085**

Position 3

As Found

	X	152.535
	Y	2085.737
Translation:	Z	-870.864
	I	0.405147364
	J	-0.866224309
Meas. Axis:	K	0.292422742



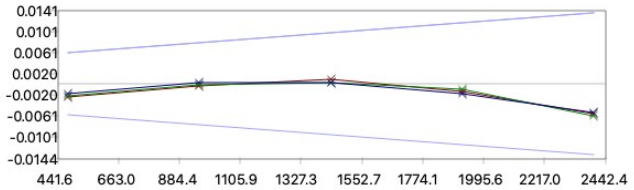
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
480.0017	480.0002	-1.5	479.9999	-1.7	479.9994	-2.3	0.0012
959.9988	960.0003	1.5	959.9997	0.9	960.0000	1.1	0.0015
1440.0008	1440.0008	0.0	1439.9998	-1.0	1440.0002	-0.6	0.0020
1920.0044	1920.0007	-3.6	1920.0004	-3.9	1920.0006	-3.7	0.0026
2400.0145	2399.9997	-14.9	2399.9996	-15.0	2399.9987	-15.8	0.0032

Compliance is unknown (ISO 10360-2 Section 6.3) E0: **0.0158**

Position 4

As Found

	X	120.058
	Y	13.614
Translation:	Z	-873.760
	I	0.416894271
	J	0.860561919
Meas. Axis:	K	0.292630057



Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
480.0021	479.9996	-2.5	479.9998	-2.3	480.0002	-1.9	0.0012
960.0000	959.9996	-0.4	959.9997	-0.3	960.0002	0.2	0.0016
1439.9994	1440.0002	0.7	1439.9997	0.3	1439.9996	0.2	0.0020
1920.0014	1919.9998	-1.5	1920.0002	-1.1	1919.9995	-1.9	0.0026
2400.0052	2399.9995	-5.7	2399.9990	-6.2	2399.9998	-5.5	0.0032

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0062**

E0 MPE: **0.0040+0.0010L/250**
Deration:

As Found Max E0: **0.0158**
As Left Max E0: **0.0088**

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Serial Number: **90210**
Customer Gauge:
Temperature Min: **19.0 ˚C**
Temperature Max: **21.0 ˚C**

Calibration Date: **12 May 2023**
Certificate Number: **Sample_10-R8**
SCC Certification Number: **2015-02**
SCC File Number: **151012**

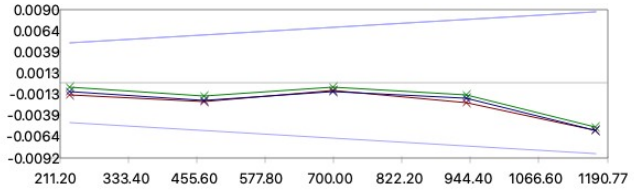
Length Measurement Error (E0)

Five calibrated test lengths are measured three times with a zero (or minimal) tip offset. The length measurement error (E0) is the maximum length deviation from the fifteen length measurements. The compliance statement opinion is based on the maximum length deviation from the fifteen measurements, the expanded measurement uncertainty, and the machine specifications. Correction of the reference artifacts and machine scales for thermal expansion are done within the inspection software of the machine. No correction for thermal effects are performed external of the inspection software.

Position 5

As Found

	X	-45.300
	Y	1027.267
Translation:	Z	-669.355
	I	1.000000000
	J	0.000000000
Meas. Axis:	K	0.000000000



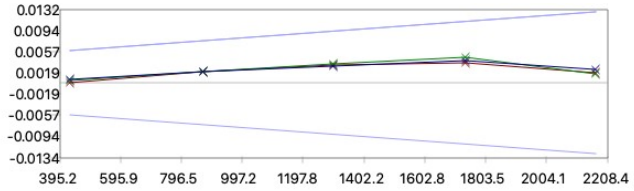
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
230.0008	229.9993	-1.5	230.0003	-0.6	229.9998	-1.0	0.0011
470.0020	469.9997	-2.3	470.0003	-1.7	469.9997	-2.2	0.0013
700.0010	700.0000	-1.0	700.0004	-0.6	699.9999	-1.1	0.0015
940.0022	939.9997	-2.4	940.0006	-1.6	940.0002	-2.0	0.0018
1170.0059	1170.0001	-5.8	1170.0004	-5.5	1170.0001	-5.8	0.0020

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0058**

Position 6

As Found

	X	511.217
	Y	2144.100
Translation:	Z	-669.678
	I	0.000000000
	J	-1.000000000
Meas. Axis:	K	0.000000000



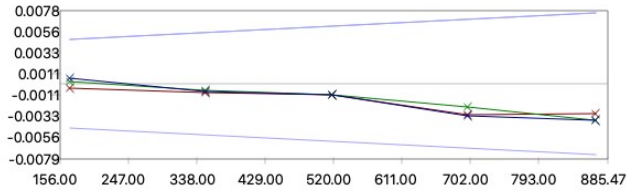
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
429.9994	429.9995	0.0	429.9998	0.4	430.0000	0.6	0.0012
869.9979	869.9999	1.9	870.0000	2.1	869.9998	1.9	0.0016
1299.9970	1300.0000	3.1	1300.0004	3.4	1300.0000	3.0	0.0020
1739.9962	1739.9997	3.5	1740.0008	4.6	1740.0002	4.0	0.0026
2169.9980	2169.9997	1.7	2169.9995	1.5	2170.0004	2.4	0.0031

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0046**

Position 7

As Found

	X	592.509
	Y	832.739
Translation:	Z	-927.600
	I	0.000000000
	J	0.000000000
Meas. Axis:	K	1.000000000



Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
170.0002	169.9997	-0.5	170.0004	0.2	170.0008	0.6	0.0011
350.0005	349.9996	-0.9	349.9998	-0.7	349.9997	-0.8	0.0011
520.0013	520.0002	-1.1	520.0002	-1.1	520.0001	-1.2	0.0012
700.0030	699.9997	-3.3	700.0006	-2.4	699.9997	-3.4	0.0013
870.0040	870.0008	-3.2	870.0002	-3.8	870.0002	-3.8	0.0015

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0038**

E0 MPE: **0.0040+0.0010L/250**
Deration:

As Found Max E0: **0.0158**
As Left Max E0: **0.0088**

Unless specified measurements are in mm, expansion coefficient in (µm/m)/ ˚C, measurement deviation in 0.001 mm

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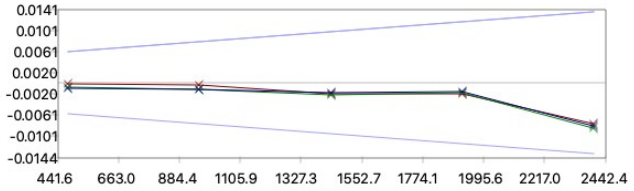
Position 1

As Left

	X	984.678
	Y	15.915
Translation:	Z	-889.629
	I	-0.416585298
	J	0.858632681
Meas. Axis:	K	0.298674755



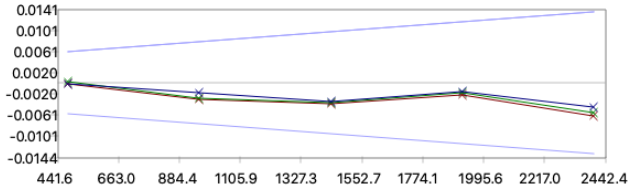
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
480.0001	480.0000	-0.1	479.9993	-0.8	479.9991	-1.1	0.0012
960.0000	959.9996	-0.4	959.9987	-1.3	959.9986	-1.4	0.0015
1440.0014	1439.9993	-2.1	1439.9990	-2.4	1439.9995	-1.8	0.0020
1920.0011	1919.9989	-2.1	1919.9991	-2.0	1919.9994	-1.6	0.0026
2400.0073	2399.9994	-7.9	2399.9985	-8.8	2399.9990	-8.3	0.0032

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0088**

Position 2

As Left

	X	1028.480
	Y	2071.453
Translation:	Z	-884.836
	I	-0.433079792
	J	-0.854320876
Meas. Axis:	K	0.287363417



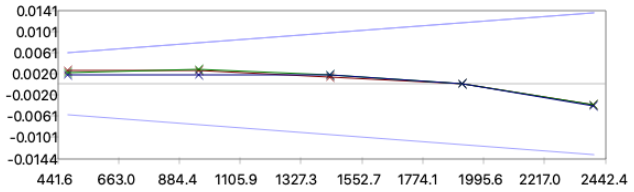
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
479.9996	479.9993	-0.3	479.9999	0.3	479.9995	-0.1	0.0012
960.0022	959.9989	-3.3	959.9993	-2.9	960.0003	-1.9	0.0016
1440.0037	1439.9997	-4.0	1439.9998	-3.9	1440.0000	-3.7	0.0020
1920.0016	1919.9994	-2.3	1919.9997	-1.9	1919.9999	-1.7	0.0026
2400.0051	2399.9988	-6.3	2399.9994	-5.7	2400.0006	-4.6	0.0032

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0063**

Position 3

As Left

	X	161.379
	Y	2084.279
Translation:	Z	-867.778
	I	0.402506080
	J	-0.867646285
Meas. Axis:	K	0.291854039



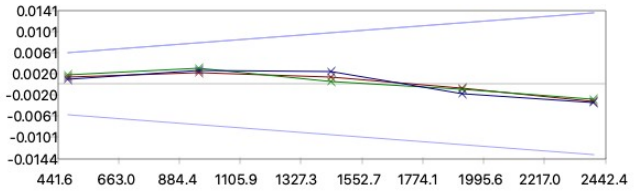
Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
479.9982	480.0008	2.7	480.0003	2.2	479.9998	1.7	0.0012
959.9977	960.0002	2.5	960.0005	2.7	959.9995	1.8	0.0015
1439.9985	1439.9999	1.4	1440.0003	1.8	1440.0003	1.8	0.0020
1920.0002	1920.0002	0.1	1920.0001	-0.1	1920.0001	-0.1	0.0026
2400.0042	2400.0002	-4.1	2400.0002	-4.0	2399.9999	-4.3	0.0032

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0043**

Position 4

As Left

	X	93.816
	Y	19.333
Translation:	Z	-877.097
	I	0.426241914
	J	0.855798785
Meas. Axis:	K	0.293131831



Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
479.9984	479.9997	1.3	480.0002	1.7	479.9993	0.9	0.0012
959.9975	959.9996	2.2	960.0004	2.9	960.0000	2.5	0.0015
1439.9987	1439.9999	1.2	1439.9990	0.3	1440.0010	2.3	0.0020
1920.0015	1920.0005	-0.9	1920.0004	-1.1	1919.9996	-1.9	0.0026
2400.0032	2399.9997	-3.4	2400.0002	-3.0	2399.9995	-3.6	0.0032

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0036**

E0 MPE: **0.0040+0.0010L/250**
Deration:

As Found Max E0: **0.0158**
As Left Max E0: **0.0088**

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SCC Accredited LAB Accrédité CCN

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Address: **1024 Binary Way**
Somewhere, Ontario
N0L 2C0
Contact: **Manager**
Phone: **519 929 9922 x256**

Machine Model: **Global Status**
Machine Model Id: **12.22.10**
Serial Number: **90210**
Customer Gauge:
Temperature Min: **19.0 ˚C**
Temperature Max: **21.0 ˚C**

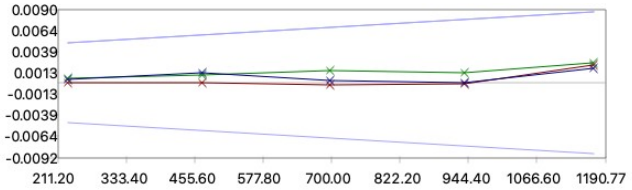
Calibration Date: **12 May 2023**
Certificate Number: **Sample_10-R8**
SCC Certification Number: **2015-02**
SCC File Number: **151012**

Length Measurement Error (E0)

Five calibrated test lengths are measured three times with a zero (or minimal) tip offset. The length measurement error (E0) is the maximum length deviation from the fifteen length measurements. The compliance statement opinion is based on the maximum length deviation from the fifteen measurements, the expanded measurement uncertainty, and the machine specifications. Correction of the reference artifacts and machine scales for thermal expansion are done within the inspection software of the machine. No correction for thermal effects are performed external of the inspection software.

Position 5

As Left X -45.300
Y 1027.267
Translation: Z -669.355
I 1.000000000
J 0.000000000
Meas. Axis: K 0.000000000

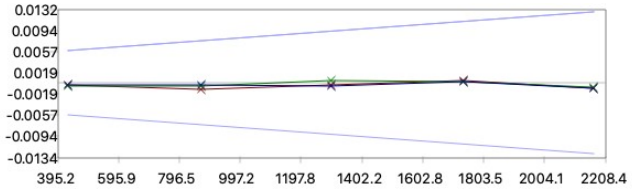


Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
229.9995	229.9995	0.0	230.0001	0.6	229.9999	0.4	0.0012
469.9991	469.9992	0.1	470.0001	1.0	470.0003	1.2	0.0017
699.9994	699.9992	-0.2	700.0009	1.4	699.9997	0.2	0.0022
939.9998	939.9997	-0.1	940.0011	1.2	939.9999	0.0	0.0027
1169.9982	1170.0003	2.1	1170.0006	2.4	1170.0000	1.8	0.0033

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0024**

Position 6

As Left X 511.217
Y 2144.100
Translation: Z -669.678
I 0.000000000
J -1.000000000
Meas. Axis: K 0.000000000

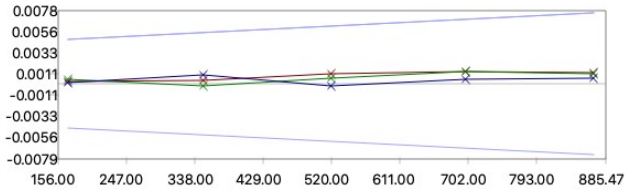


Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
430.0002	429.9998	-0.4	429.9995	-0.7	429.9998	-0.4	0.0012
870.0004	869.9991	-1.3	869.9998	-0.6	869.9999	-0.5	0.0016
1300.0002	1299.9997	-0.5	1300.0005	0.3	1299.9996	-0.6	0.0021
1739.9996	1739.9999	0.3	1739.9998	0.2	1739.9998	0.2	0.0026
2170.0006	2169.9996	-1.0	2169.9998	-0.9	2169.9997	-0.9	0.0032

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0013**

Position 7

As Left X 595.094
Y 830.033
Translation: Z -927.600
I 0.000000000
J 0.000000000
Meas. Axis: K 1.000000000



Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
170.0000	170.0002	0.2	170.0004	0.4	170.0001	0.1	0.0011
349.9998	350.0002	0.4	349.9996	-0.2	350.0008	1.0	0.0012
520.0000	520.0010	1.1	520.0005	0.6	519.9997	-0.3	0.0013
699.9992	700.0005	1.3	700.0006	1.3	699.9997	0.5	0.0014
869.9993	870.0004	1.2	870.0003	1.0	869.9999	0.6	0.0015

Meets or exceeds specification (ISO 10360-2 Section 6.3) E0: **0.0013**

E0 MPE: **0.0040+0.0010L/250**
Deration:

As Found Max E0: **0.0158**
As Left Max E0: **0.0088**

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Contact: **Manager**
Phone: **519 929 9922 x256**

Machine Model: **Global Status**
Machine Model Id: **12.22.10**
Serial Number: **90210**
Customer Gauge:
Temperature Min: **19.0 ˚C**
Temperature Max: **21.0 ˚C**

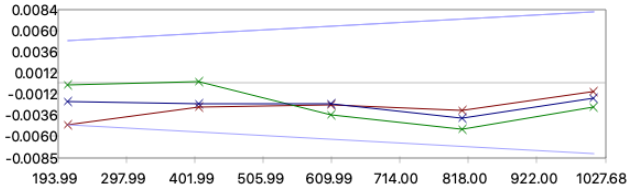
Calibration Date: **12 May 2023**
Certificate Number: **Sample_10-R8**
SCC Certification Number: **2015-02**
SCC File Number: **151012**

Length Measurement Error (E150)

Five calibrated test lengths are measured three times with a tip offset of 150mm (5.9”). The length measurement error (E150) is the maximum length deviation from the fifteen length measurements. The compliance statement opinion is based on the maximum length deviation from the fifteen measurements, the expanded measurement uncertainty, and the machine specifications. Correction of the reference artifacts and machine scales for thermal expansion are done within the inspection software of the machine. No correction for thermal effects are performed external of the inspection software.

Position D1

As Found	X	168.902
	Y	901.182
Translation:	Z	-915.342
	I	0.740551175
	J	0.017664144
Meas. Axis:	K	0.671767769

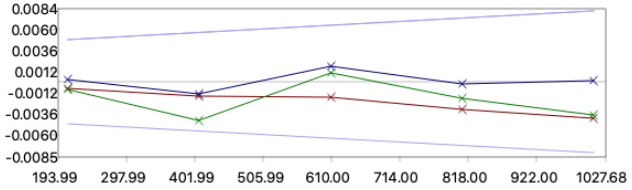


Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
209.9929	209.9882	-4.7	209.9927	-0.2	209.9908	-2.1	0.0014
409.9954	409.9927	-2.7	409.9956	0.2	409.9930	-2.4	0.0016
609.9992	609.9967	-2.5	609.9956	-3.6	609.9968	-2.4	0.0019
810.0004	809.9973	-3.1	809.9951	-5.3	809.9964	-4.0	0.0022
1010.0006	1009.9996	-1.0	1009.9978	-2.8	1009.9989	-1.7	0.0026

Compliance is unknown (ISO 10360-2 Section 6.5) E150: **0.0053**

Position D2

As Found	X	945.051
	Y	870.328
Translation:	Z	-915.564
	I	-0.740499060
	J	-0.018925688
Meas. Axis:	K	0.671790860



Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
209.9929	209.9922	-0.7	209.9920	-0.9	209.9932	0.3	0.0014
409.9954	409.9937	-1.7	409.9910	-4.4	409.9940	-1.4	0.0016
609.9992	609.9974	-1.8	610.0003	1.1	610.0010	1.8	0.0019
810.0004	809.9973	-3.2	809.9985	-1.9	810.0002	-0.2	0.0022
1010.0006	1009.9965	-4.1	1009.9969	-3.7	1010.0007	0.1	0.0026

Compliance is unknown (ISO 10360-2 Section 6.5) E150: **0.0044**

E150 MPE: **0.0040+0.0010L/250**
Deration:

As Found Max E150: **0.0053**
As Left Max E150: **0.0032**

Unless specified measurements are in mm, expansion coefficient in (µm/m)/ ˚C, measurement deviation in 0.001 mm

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	N0L 2C0
Contact:	**Manager**
Phone:	**519 929 9922 x256**

Machine Model:	**Global Status**
Machine Model Id:	**12.22.10**
Serial Number:	**90210**
Customer Gauge:	
Temperature Min:	**19.0 ˚C**
Temperature Max:	**21.0 ˚C**

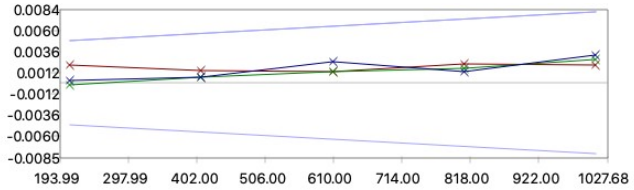
Calibration Date:	**12 May 2023**
Certificate Number:	**Sample_10-R8**
SCC Certification Number:	**2015-02**
SCC File Number:	**151012**

Length Measurement Error (E150)

Five calibrated test lengths are measured three times with a tip offset of 150mm (5.9”). The length measurement error (E150) is the maximum length deviation from the fifteen length measurements. The compliance statement opinion is based on the maximum length deviation from the fifteen measurements, the expanded measurement uncertainty, and the machine specifications. Correction of the reference artifacts and machine scales for thermal expansion are done within the inspection software of the machine. No correction for thermal effects are performed external of the inspection software.

Position D1

As Left	X	168.894
	Y	901.192
Translation:	Z	-915.323
	I	0.740564332
	J	0.017660969
Meas. Axis:	K	0.671753348

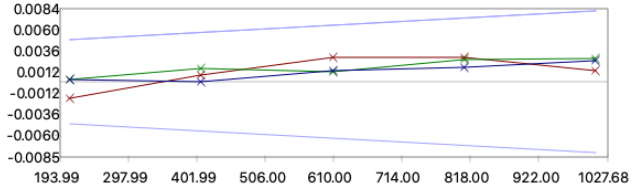


Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
209.9929	209.9949	2.0	209.9927	-0.2	209.9931	0.2	0.0014
409.9954	409.9967	1.3	409.9960	0.6	409.9961	0.7	0.0016
609.9992	610.0004	1.2	610.0004	1.2	610.0016	2.4	0.0019
810.0004	810.0026	2.2	810.0021	1.7	810.0017	1.3	0.0022
1010.0006	1010.0026	2.0	1010.0032	2.6	1010.0038	3.2	0.0026

Meets or exceeds specification (ISO 10360-2 Section 6.5) E150: **0.0032**

Position D2

As Left	X	945.063
	Y	870.332
Translation:	Z	-915.564
	I	-0.740500142
	J	-0.018926229
Meas. Axis:	K	0.671789653



Nominal	Length 1	Dev 1	Length 2	Dev 2	Length 3	Dev 3	Uc (*k*=2)
209.9929	209.9911	-1.8	209.9932	0.3	209.9931	0.2	0.0014
409.9954	409.9962	0.8	409.9969	1.5	409.9954	0.0	0.0016
609.9992	610.0019	2.7	610.0003	1.1	610.0005	1.3	0.0019
810.0004	810.0032	2.8	810.0030	2.6	810.0020	1.6	0.0022
1010.0006	1010.0019	1.3	1010.0032	2.6	1010.0030	2.4	0.0026

Meets or exceeds specification (ISO 10360-2 Section 6.5) E150: **0.0028**

E150 MPE: **0.0040+0.0010L/250**
Deration:

As Found Max E150: **0.0053**
As Left Max E150: **0.0032**

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Phone: **519 929 9922 x256**
Machine Model: **Global Status**
Machine Model Id: **12.22.10**
Serial Number: **90210**
Customer Gauge:

Temperature Min: **19.0 ˚C**
Temperature Max: **21.0 ˚C**

Calibration Date: **12 May 2023**
Certificate Number: **Sample_10-R8**
SCC Certification Number: **2015-02**
SCC File Number: **151012**

Measurement Summary

This page contains a summary of all measurement results. Complete information for all reported values is shown on the previous sections of this report. Compliance can be one of three conditions: inside specification, unknown, or outside specification and indicated as I,U, or O on this page of the report.

Length Repeatability (R0)

For each E0 length the range is calculated as the difference between the maximum and minimum individual lengths. The repeatability (R0) is the largest range of the measurement lengths.

R0 MPL: **0.0030**
R0: **0.0020** I
Uc (*k*=2): **0.0004**

Length Measurement Error (E0 and E150)

Five calibrated test lengths are measured three times with a zero (or minimal) tip offset for E0 and a 150 mm (5.9") tip offset for E150 . The length measurement error is the maximum length deviation from the fifteen length measurements.

Max E0: **0.0088**
Max E150: **0.0032**

E0 MPE: **0.0040+0.0010L/250** Deration:
E150 MPE: **0.0040+0.0010L/250** Deration:

Percentage of maximum error relative to out of tolerance E0: **52.6%**
Percentage of maximum error relative to out of tolerance E150: **32.7%**

Position 1 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
480.0001	-0.1	-0.8	-1.1	0.0012
960.0000	-0.4	-1.3	-1.4	0.0015
1440.0014	-2.1	-2.4	-1.8	0.0020
1920.0011	-2.1	-2.0	-1.6	0.0026
2400.0073	-7.9	-8.8	-8.3	0.0032

Position 2 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
479.9996	-0.3	0.3	-0.1	0.0012
960.0022	-3.3	-2.9	-1.9	0.0016
1440.0037	-4.0	-3.9	-3.7	0.0020
1920.0016	-2.3	-1.9	-1.7	0.0026
2400.0051	-6.3	-5.7	-4.6	0.0032

Position 3 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
479.9982	2.7	2.2	1.7	0.0012
959.9977	2.5	2.7	1.8	0.0015
1439.9985	1.4	1.8	1.8	0.0020
1920.0002	0.1	-0.1	-0.1	0.0026
2400.0042	-4.1	-4.0	-4.3	0.0032

Position 4 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
479.9984	1.3	1.7	0.9	0.0012
959.9975	2.2	2.9	2.5	0.0015
1439.9987	1.2	0.3	2.3	0.0020
1920.0015	-0.9	-1.1	-1.9	0.0026
2400.0032	-3.4	-3.0	-3.6	0.0032

Position 5 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
229.9995	0.0	0.6	0.4	0.0012
469.9991	0.1	1.0	1.2	0.0017
699.9994	-0.2	1.4	0.2	0.0022
939.9998	-0.1	1.2	0.0	0.0027
1169.9982	2.1	2.4	1.8	0.0033

Position 6 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
430.0002	-0.4	-0.7	-0.4	0.0012
870.0004	-1.3	-0.6	-0.5	0.0016
1300.0002	-0.5	0.3	-0.6	0.0021
1739.9996	0.3	0.2	0.2	0.0026
2170.0006	-1.0	-0.9	-0.9	0.0032

Position 7 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
170.0000	0.2	0.4	0.1	0.0011
349.9998	0.4	-0.2	1.0	0.0012
520.0000	1.1	0.6	-0.3	0.0013
699.9992	1.3	1.3	0.5	0.0014
869.9993	1.2	1.0	0.6	0.0015

Position D1 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
209.9929	2.0	-0.2	0.2	0.0014
409.9954	1.3	0.6	0.7	0.0016
609.9992	1.2	1.2	2.4	0.0019
810.0004	2.2	1.7	1.3	0.0022
1010.0006	2.0	2.6	3.2	0.0026

Position D2 I

Nominal	Dev 1	Dev 2	Dev 3	Uc (*k*=2)
209.9929	-1.8	0.3	0.2	0.0014
409.9954	0.8	1.5	0.0	0.0016
609.9992	2.7	1.1	1.3	0.0019
810.0004	2.8	2.6	1.6	0.0022
1010.0006	1.3	2.6	2.4	0.0026

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Contact: **Manager**
Phone: **519 929 9922 x256**
Machine Model: **Global Status**
Machine Model Id: **12.22.10**
Serial Number: **90210**
Customer Gauge:

Temperature Min: **19.0 ˚C**
Temperature Max: **21.0 ˚C**

Calibration Date: **12 May 2023**
Certificate Number: **Sample_10-R8**
SCC Certification Number: **2015-02**
SCC File Number: **151012**

Revision History Description

This page contains a list of all changes to the calibration report from the initial release. The suffix on the report certificate number indicates the revision level above the initial release.

Revision History

Revision R1
Revision number of report software updated to version 11.1

Revision R2
Certificate number changed to Sample_XX

Revision R3
Added QR Code to calibration report

Revision R4
Change in wording of Adjustements and Reporting

Revision R5
Transition from SCC Accreditation Number to SCC File Number

Revision R6
Numerous updates to calibration reporting software.

Revision R7
Added As Found data. Missing specification entries.

Revision R8
Update of terminology of report text.

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