



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017;
ANSI/NCSL Z540-1-1994

G.T. MICHELLI CO., LLC
7933 Nimbus #28
Beaverton, OR 97008
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CALIBRATION

Valid To: December 31, 2026

Certificate Number: 3601.12

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with A2LA's R205 Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations^{1, 6}:

I. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments	Location ⁴	
Scales and Balances ³	(100 to 500) mg	5.9 µg	Class 0 weights	OR, WA	
	(0.5 to 5) g	20 µg			
	(5 to 10) g	29 µg			
	(10 to 50) g	43 µg			
	(50 to 100) g	70 µg			
	(100 to 200) g	150 µg			
	(200 to 300) g	0.6 mg		Class 1 weights	OR, WA
	(300 to 500) g	0.9 mg			
	(500 to 1000) g	1.4 mg			
	(1 to 10) kg	0.12 g			
	453.6 kg (1000 lb)	8.4 g		Class F weights	OR, WA
	226.8 kg (500 lb)	6.6 g			
	22.7 kg (50 lb)	0.29 g			
	11.34 kg (25 lb)	0.16 g			
	4.54 kg (10 lb)	84 µg			
2.27 kg (5 lb)	70 µg				
0.91 kg (2 lb)	65 µg				
0.46 kg (1 lb)	65 µg				

Parameter/Equipment	Range	CMC ^{2, 5} (±)	Comments	Location ⁴
Scales and Balances ³ (cont)	0.23 kg (0.5 lb) 0.09 kg (0.2 lb) 0.045 kg (0.1 lb) 0.02 kg (0.05 lb) 9.07 g (0.02 lb) 4.54 g (0.01 lb) 2.27 g (0.005 lb) 0.91 g (0.002 lb) 0.45 g (0.001 lb)	2.3 mg 6.7 mg 6.5 mg 2.8 mg 2.7 mg 2.7 mg 2.7 mg 2.7 mg 2.7 mg	Class F weights	OR, WA
	(1/16 to 8) oz 25 kg 20 kg 10 kg 5 kg 2 kg 1 kg 500 g 200 g 100 g 50 g 20 g 10 g (1 to 5) g (100 to 500) mg (10 to 50) mg 5 mg 1 mg	64 mg 310 mg 240 mg 140 mg 87 mg 68 mg 65 mg 8.7 mg 4.8 mg 2.4 mg 1.2 mg 0.5 mg 0.27 mg 0.24 mg 0.12 mg 60 µg 24 µg 13 µg		
	2041.2 kg (4500 lb) 1406.1 kg (3100 lb)	270 g 270 g	Class F test cart	OR, WA
Force – Measuring Equipment (Tension Only)				
5000 lbf Range	Up to 500 lbf (500 to 1000) lbf (1000 to 2000) lbf (2000 to 3000) lbf (3000 to 4000) lbf (4000 to 5000) lbf	1.8 lbf 2.5 lbf 2.9 lbf 3.9 lbf 3.2 lbf 3.1 lbf	Dillon Wizard w/S-Load cells	OR
10 000 lbf Range	Up to 2000 lbf (2000 to 4000) lbf (4000 to 6000) lbf (6000 to 8000) lbf (8000 to 10 000) lbf	7 lbf 11 lbf 18 lbf 30 lbf 37 lbf		

¹ This laboratory offers commercial calibration service and field 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 Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the Calibration and Measurement Capability Uncertainty (CMC) found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

⁴ The locations that can perform the calibrations are given by the letter code listed in the table below. The field locations below are service locations and all calibrations are performed at customer sites:

Location	Code
(Main Location) 7933 SW Nimbus Avenue, #28 Beaverton, OR 97008	OR
(Field Location) 7031 South 196th Street, Ste 1-3 Kent, WA 98032	WA

⁵ The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.

⁶ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

G.T. MICHELLI CO., LLC

Beaverton, OR

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCCL Z540-1-1994 and 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 31st of December 2024.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3601.12
Valid to December 31, 2026
Revised December 18, 2025

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