



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

G.T. MICHELLI COMPANY, INC.  
 9663 Mammoth Drive  
 Baton Rouge, LA 70814  
 Patrick Jester Phone: 225 927 0682

CALIBRATION

Valid until: November 30, 2020

Certificate Number: 3601.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1,4</sup>:

I. Mechanical

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Scales and Balances <sup>3</sup>	25 kg	9.6 mg	Class 1 weights
	10 kg	1.8 mg	
	1 kg	0.11 mg	
	100 g	41 µg	
	50 g	37 µg	
	20 g	18 µg	
	10 g	13 µg	
	5 g	7.5 µg	
	2 g	5.8 µg	
	1 g	1.9 µg	
	500 mg	1.3 µg	
	200 mg	1.3 µg	
	100 mg	0.77 µg	
	50 mg	0.62 µg	
	20 mg	0.42 µg	
	10 mg	0.42 µg	
	5 mg	0.41 µg	
	2 mg	0.29 µg	
	1 mg	0.24 µg	

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments	
Scales and Balances <sup>3</sup> (cont)	453.6 kg (1000 lb)	11 g	Class F weights	
	226.8 kg (500 lb)	4.6 g		
	22.7 kg (50 lb)	280 mg		
	11.34 kg (25 lb)	210 mg		
	4.54 kg (10 lb)	55 mg		
	2.27 kg (5 lb)	27 mg		
	0.91 kg (2 lb)	11 mg		
	0.46 kg (1 lb)	8.5 mg		
	0.23 kg (0.5 lb)	2.3 mg		
	500 kg	7 g		Class F test cart
	200 kg	3 g		
	25 kg	630 mg		
	20 kg	280 mg		
	10 kg	110 mg		
	5 kg	59 mg		
	2 kg	0.54 mg		
	1 kg	0.16 mg		
	500 g	9.4 mg		
	200 g	4.7 mg		
	100 g	2.4 mg		
	50 g	1.2 mg		
	20 g	0.51 mg		
	10 g	0.24 mg		
	5 g	0.18 mg		
	2 g	0.14 mg		
	1 g	0.11 mg		
	2268 kg (5000 lb)	170 g		
2721 kg (6000 lb)	230 g			

<sup>1</sup> This laboratory offers commercial calibration service and field calibration service.

<sup>2</sup> 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.

<sup>3</sup> Field calibration service is available for this calibration and this laboratory meets A2LA *R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the 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 actual 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.

<sup>4</sup> This scope meets A2LA's *P112 Flexible Scope Policy*.

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## Accredited Laboratory

A2LA has accredited

**G.T. MICHELLI COMPANY, INC.**

*Baton Rouge, LA*

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/NCSL 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 24<sup>th</sup> day of August 2018.

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President and CEO  
For the Accreditation Council  
Certificate Number 3601.03  
Valid to November 30, 2020

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