



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005  
& ANSI/NCSL Z540-1-1994

G.T. MICHELLI COMPANY, INC.  
 4711 Viking Drive  
 Bossier City, LA 71111  
 Patrick Jester Phone: 318-747-9730

CALIBRATION

Valid until: November 30, 2018

Certificate Number: 3601.02

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

I. Mechanical

| Parameter/Equipment              | Range              | CMC <sup>2</sup> (±) | Comments        |
|----------------------------------|--------------------|----------------------|-----------------|
| Scales and Balances <sup>3</sup> | 25 kg              | 12 mg                | Class 1 weights |
|                                  | 10 kg              | 1.4 mg               |                 |
|                                  | 100 g              | 300 µg               |                 |
|                                  | 50 g               | 150 µg               |                 |
|                                  | 20 g               | 87 µg                |                 |
|                                  | 10 g               | 60 µg                |                 |
|                                  | 5 g                | 41 µg                |                 |
|                                  | 2 g                | 40 µg                |                 |
|                                  | 1 g                | 40 µg                |                 |
|                                  | 500 mg             | 13 µg                |                 |
|                                  | 200 mg             | 12 µg                |                 |
|                                  | 100 mg             | 12 µg                |                 |
|                                  | 453.6 kg (1000 lb) | 12 g                 | Class F weights |
|                                  | 226.8 kg (500 lb)  | 2.8 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                |                 |
|                                  | 0.46 kg (1 lb)     | 7.8 mg               |                 |
| 0.23 kg (0.5 lb)                 | 4.7 mg             |                      |                 |

| Parameter/Equipment                        | Range   | CMC <sup>2</sup> (±)   | Comments          |
|--|---|--|-------------------|
| Scales and Balances <sup>3</sup><br>(cont) | 500 kg<br>200 kg<br>25 kg<br>20 kg<br>10 kg<br>5 kg<br>2 kg | 7 g<br>3 g<br>630 mg<br>280 mg<br>110 mg<br>0.77 mg<br>0.43 mg | Class F weights   |
|  | 2268 kg (5000 lb)<br>2721 kg (6000 lb)                      | 170 g<br>280 mg  | Class F test cart |

<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.



## Accredited Laboratory

A2LA has accredited

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

*Bossier City, LA*

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 the requirements of ANSI/NCSLI Z540-1-1994 and A2LA's 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 8 January 2009).



Presented this 30<sup>th</sup> day of August 2016.

A handwritten signature in blue ink, appearing to read "J. C. Burt".

Senior Director of Quality and Communications  
For the Accreditation Council  
Certificate Number 3601.02  
Valid to November 30, 2018

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