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

TOLEDO TRANSDUCERS, INC.
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CALIBRATION

Valid To: August 31, 2011 Certificate Number: 1379.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1]:

I. Mechanical

| Parameter/Equipment | Range | CMC[2, 3] (±) | Comments |
|---|---|---|---|
| Calibration of Force, Load Cells – Tension/ Compression (Compression Only Above 120 klbf) | (2 to 50) klbf<br>(12 to 120) klbf<br>(60 to 500) klbf<br>(0.5 to 2) Mlbf | 0.06 %<br>0.07 %<br>0.1 %<br>0.1 % | Standard load cells, Toledo procedure 1017 w/elements of ASTM E74 |
| Calibration of Force – Tension & Compression | (0.1 to 5) lbf | 0.07 % | Dead weights, Toledo procedure 1017 E74 |
| Calibration of Torque Load Cells | (0.125 to 20) lbf·in<br><br>(10 to 1 500) lbf·in<br>240 lbf·in to 60 klbf·in<br>(60 to 120) klbf·in<br>(120 to 480) klbf·in | 0.1 %<br><br>0.05 %<br>0.06 %<br>0.06 %<br>0.06 % | Class 6 dead weights or secondary load cells<br><br>Standard load cells, Toledo procedure 1071 w/elements of ASTM E74 |

[1] This laboratory offers commercial calibration service.


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[2] Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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] In the statement of CMC, percentages are to be read as percent of reading, unless noted otherwise.