



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

*Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:*

***Calspan Corporation***  
***4455 Genesee Street, Buffalo, NY 14225***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:*

**ISO/IEC 17025:2005**

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Mechanical Calibration***  
***(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen  
President/Operations Manager

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
755 W. Big Beaver, Suite 1325  
Troy, Michigan 48084

*Initial Accreditation Date:*      *Issue Date:*      *Expiration Date:*  
July 17, 2013      November 21, 2018      December 31, 2020

*Accreditation No.:*      *Certificate No.:*  
76654      L18-545

*The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: [www.pjllabs.com](http://www.pjllabs.com)*



# Certificate of Accreditation: Supplement

## Calspan Corporation

4455 Genesee Street, Buffalo, NY 14225

Contact Name: Scott Abramowski Phone: 716-631-6989

Accreditation is granted to the facility to perform the following calibrations:

### Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Load Cells – Force <sup>F</sup>	5 lbf to 100 lbf	0.15 % of Reading	Force Application Frame with Reference Load Cell
	101 lbf to 200 lbf	0.14 % of Reading	
	201 lbf to 400 lbf	0.13 % of Reading	
	401 lbf to 700 lbf		
	701 lbf to 1 000 lbf		
	1 001 lbf to 2 000 lbf		
	2 001 lbf to 4 000 lbf		
	4 001 lbf to 7 000 lbf		
7 001 lbf to 10 000 lbf			
Load Cells – Moment <sup>F</sup>	5 in·lbf to 100 in·lbf	0.15 % of Reading	Moment Application of Force and 1” Moment Arm with Reference Load Cell
	101 in·lbf to 200 in·lbf	0.14 % of Reading	
	201 in·lbf to 400 in·lbf	0.13 % of Reading	
	401 in·lbf to 700 in·lbf		
	701 in·lbf to 1 000 in·lbf		
	1 001 in·lbf to 2 000 in·lbf		
	2 001 in·lbf to 4 000 in·lbf		
	4 001 in·lbf to 7 000 in·lbf		
7 001 in·lbf to 10 000 in·lbf			
Accelerometers <sup>F</sup>	5 Hz to 9 Hz	1.74 % of Reading	Comparison System Using Shaker and Accelerometers
	10 Hz to 99 Hz	1.27 % of Reading	
	100 Hz	0.89 % of Reading	
	101 Hz to 920 Hz	1.1 % of Reading	
	921 Hz to 5 000 Hz	1.44 % of Reading	
	5 001 Hz to 10 000 Hz	1.92 % of Reading	
	10 000 Hz to 15 000 Hz	2.26 % of Reading	



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*Accreditation is granted to the facility to perform the following calibrations:*

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor  $k$  (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer<sup>F</sup> would mean that the laboratory performs this calibration at its fixed location.

