

# A.A. Jansson, Inc.

2070 Airport Rd  
Waterford, MI 48327

Phone No. 248-674-4811 - Fax No. 248-674-1234

# Certificate of Calibration



Web page: [www.aajansson.com](http://www.aajansson.com)

**Company:** STARRAG USA INC  
**Address:** 2379 PROGRESS DRIVE  
HEBRON, KY 41048  
**Contact:** JASON NOBLE  
**Dept:** 48651-1

**Doc #:** 95783  
**Calibration Date:** 10/31/2017  
**PO/Acct:** 17-40060  
**Page:** 1 of 2  
**Visual Condition:** GOOD  
**Date Received:** 10/26/2017

Calibration  
CERT.#1182.01

**Gage Type:** ELECTRONIC LEVEL  
**Mfg:** TESA  
**Procedure:** AAJ CP-41.0

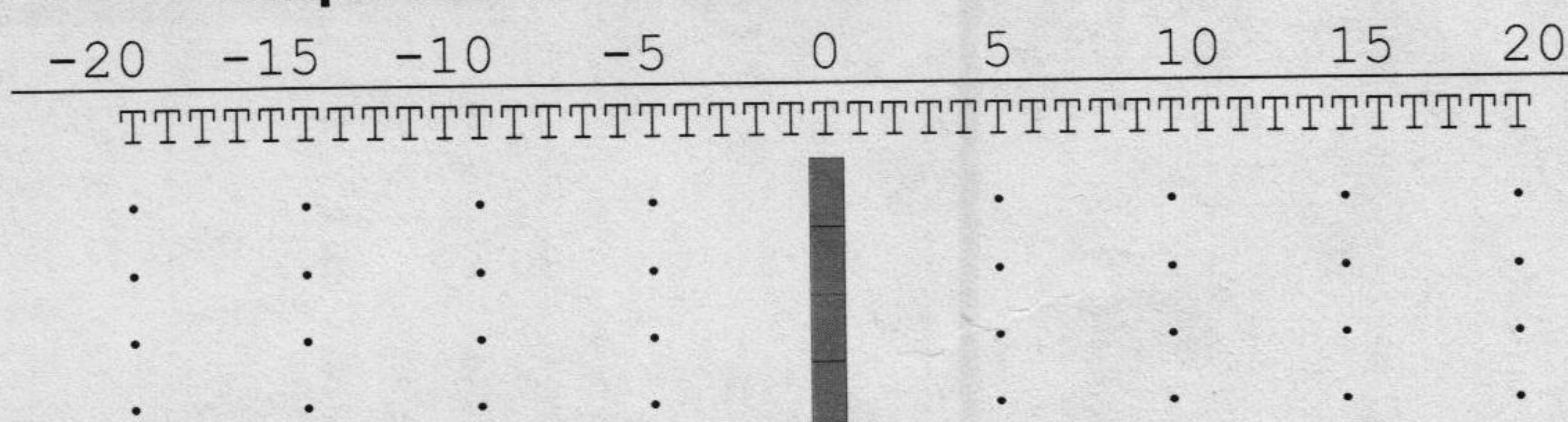
**Cert #:** STAH1542  
**Model:** NIVELTRONIC  
**Serial #:** H1542, ID# ELL-005

**+ / - Tolerances:** +0.000300 / -0.000300

**Graph Scale:** +0.000001

## RANGE I - PLUS

Nominal	Actual	Deviation
+0.000000	+0.000000	+0.000000
+0.002500	+0.002500	+0.000000
+0.005000	+0.005000	+0.000000
+0.007500	+0.007500	+0.000000

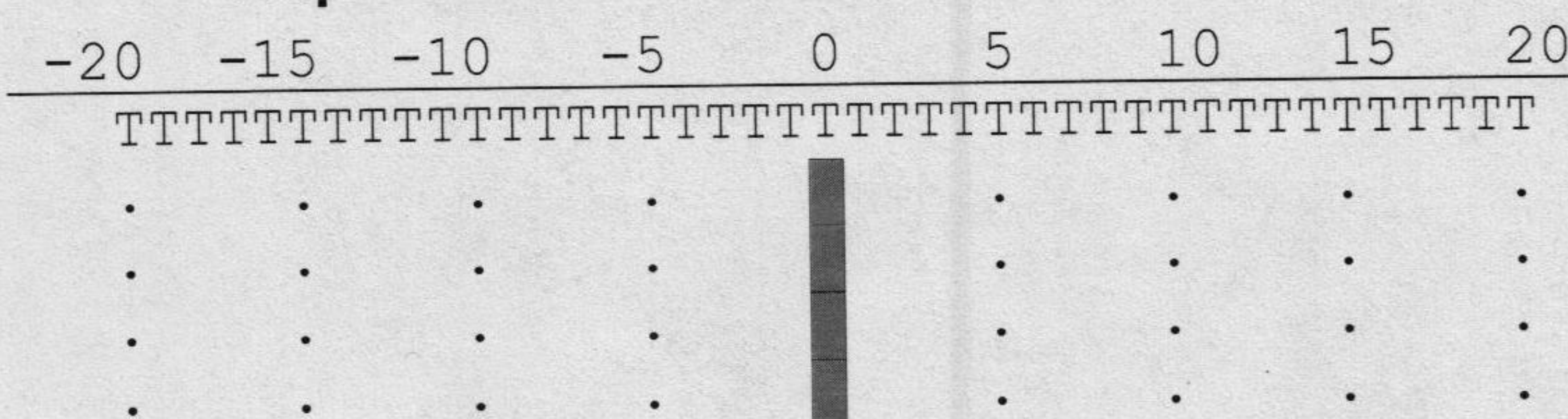


**+ / - Tolerances:** +0.000300 / -0.000300

**Graph Scale:** +0.000001

## RANGE I - MINUS

Nominal	Actual	Deviation
+0.000000	+0.000000	+0.000000
+0.002500	+0.002500	+0.000000
+0.005000	+0.005000	+0.000000
+0.007500	+0.007500	+0.000000

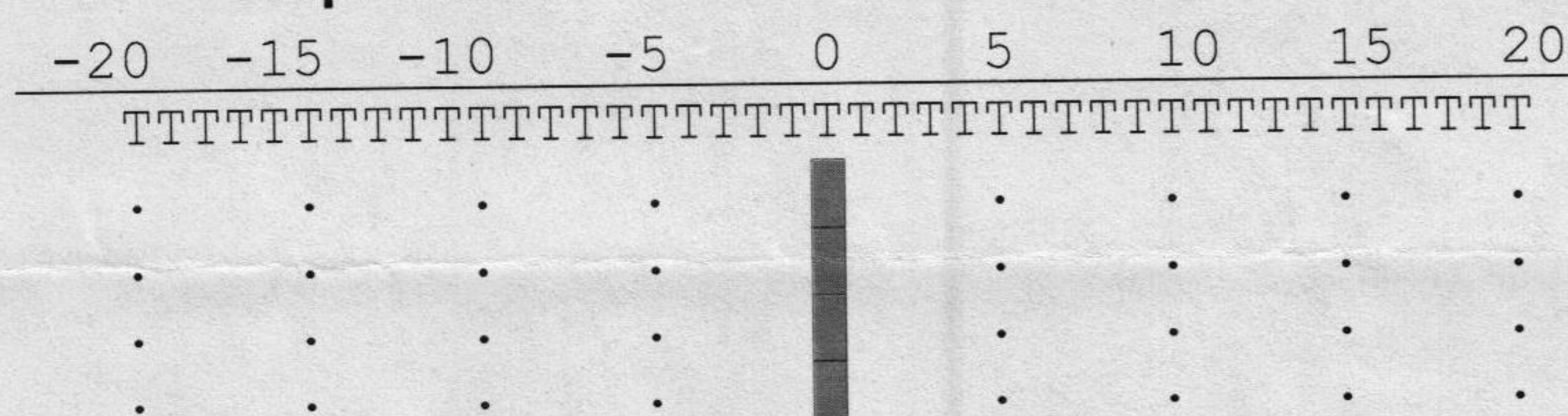


**+ / - Tolerances:** +0.000300 / -0.000300

**Graph Scale:** +0.000001

## RANGE II - PLUS

Nominal	Actual	Deviation
+0.000000	+0.000000	+0.000000
+0.000500	+0.000500	+0.000000
+0.001000	+0.001000	+0.000000
+0.001500	+0.001500	+0.000000



**+ / - Tolerances:** +0.000300 / -0.000300

**Graph Scale:** +0.000001

## RANGE II - MINUS

Nominal	Actual	Deviation
+0.000000	+0.000000	+0.000000
+0.000500	+0.000500	+0.000000
+0.001000	+0.001000	+0.000000
+0.001500	+0.001500	+0.000000



## Comments:

READINGS ARE AS FOUND  
CLEANED, CALIBRATED AND CERTIFIED  
DATA IS REPORTED IN INCHES  
MEASUREMENT UNCERTAINTY:  $\pm 5$  ARC SECONDS



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Page #: 2 of 2  
Gage Type: ELECTRONIC LEVEL  
Mfg: TESA  
Procedure: AAJ CP-41.0

Doc #: 95783  
Cert #: STA1542  
Model: NIVELTRONIC  
Serial #: H1542, ID# ELL-005

## Comments:

REPORTED READINGS TAKEN AT 68°F ± 2°F RELATIVE HUMIDITY LESS THAN 50%

*We certify the equipment used for this calibration is traceable to NIST through one or more of the following numbers:*

27124: 24" X 36" SURFACE PLATE

683/283519-13, 681/280132-11, 821/278168-09, 821/279078-10 Cal Date / Due Date: 7/3/2017 -- 7/3/2018

LC-1: LEVEL FIXTURE / AMPLIFIER & PROBE

683/283519-13 Cal Date / Due Date: 12/14/2016 -- 12/14/2017

SP0616: 5" SINE PLATE

683/283519-13, 681/280132-11, 821/278168-09, 821/279078-10, 683/2834126-13, 683/282428-12 Cal Date / Due Date: 9/12/2016 -- 9/12/2018

1203: Challenger 81pc. Gage Block Set

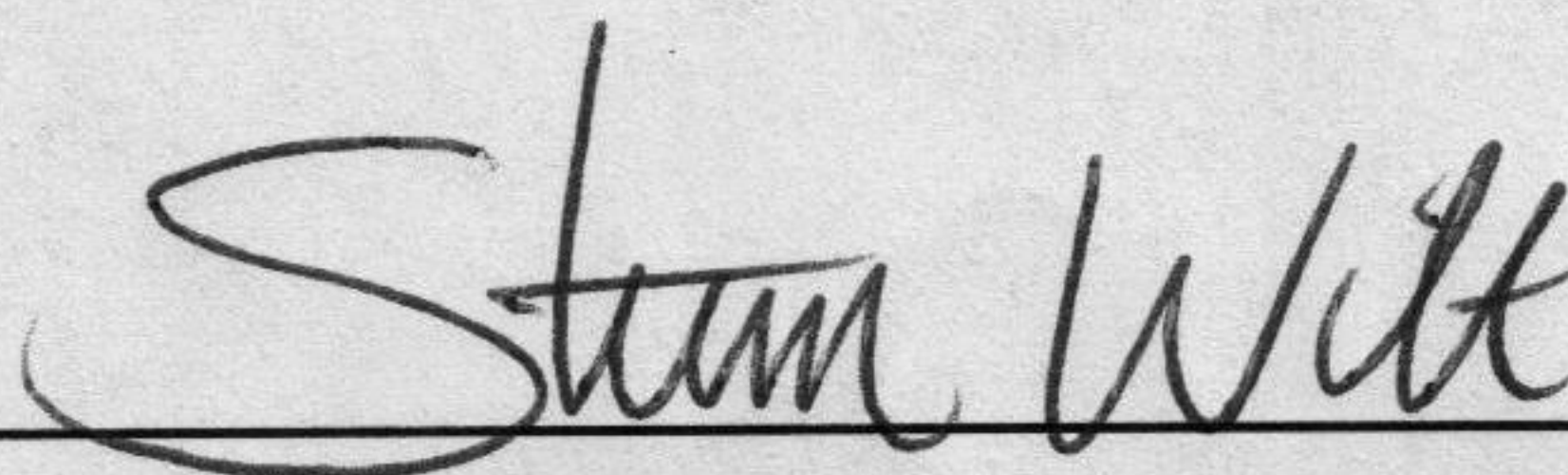
683/283519-13 Cal Date / Due Date: 7/13/2017 -- 7/13/2018

**Gage Status: PASS**

**Due Date: 10/31/2018**

Reported readings taken at 68°F ± 4° F Relative humidity less than 50% unless otherwise noted in comments. Data is "AS FOUND" and item is "USED" unless otherwise noted in comments. Calibration complies to ISO/IEC 17025:2005, ANSI/NCSL Z540-1 requirements. Reported Measurement uncertainties are based upon a 95% confidence level, k=2. This report shall not be reproduced, except in full, without written permission by A.A. Jansson, Inc. Any number of factors may cause the subject of this calibration to drift out of calibration before the recommended interval has expired. A.A. Jansson will not be held responsible for the calibration status of an item whose calibration interval exceeds the actual validity of the calibration. Measurement uncertainty is not taken into account when determining In/Out of tolerance condition. Calibrations performed in accordance with the A.A. Jansson, Inc. Quality Assurance Manual Revision 9, Dated June 3, 2013 which meets the requirements of ISO-17025:2005.

Certified By: Steve Wilt Signature: \_\_\_\_\_



This certificate is not valid unless all 2 page(s) are present.

Results of this certificate relate only to the item mentioned in document header.

**\*\*END OF DOCUMENT\*\***