

Certificate Report No.: NA2651-978-061214

METTLER TOLEDO

Mettler Toledo
Service Business Unit Industrial
1900 Polaris Parkway
Columbus, OH 43240
1-800-523-5123

ISO 9001 Registered

ANSI/NCSL Z540-1 Accredited



Accredited by the American Association
for Laboratory Accreditation (A2LA)

CALIBRATION CERT #1902.01

Calibration Certificate

Customer

Company: Spruce Creek High School

Address: 801 Taylor Rd

City: Port Orange State/Province: Florida

Zip/Postal: 32127 Customer ID: 300702590

Device

Manufacturer: A N D Terminal Model: N/A

Model: WEIGHING INDICATOR Terminal Serial No.: N/A

Serial No.: AC20130331067 Printer Serial No.: N/A

Capacity: 440 lb Dept./Room: N/A

Readability: 0.02 lb No. of Divisions: 22000

Scale Class: III Procedure Used: NIST Handbook 44

Customer Asset #/ID: N/A

Procedure Statement: This certificate is issued in accordance with the conditions of accreditation granted by A2LA, which is based on ISO/IEC 17025. A2LA has assessed the measurement capability of the laboratory and its traceability to recognized national standards.

Calibration Date: 12-Jun-2014 Next Cal. Due Date: 30-Jun-2015

Authorized Signatory (A2LA): Ubaldo Vella Signature: ELECTRONIC SIGNATURE

Reference Weights

Traceability Test weights used are traceable to the National Institute of Standards and Technology.

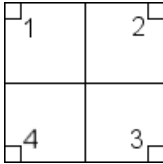
Weight Set No.:	NIST Traceability No.:	Class ASTM/OIML:	Calibration Date:	Calibration Due Date:
25LB x 20	FL-13158	NIST F	27-Jun-2013	30-Jun-2015

Measuring Results

Temperature: 75 °F

Environmental conditions have been verified to ensure the accuracy of the calibration.

Shift Test



Weights Applied	Position	As Found
		Displayed Value
1: 100 lb	Position 1	100.00 lb
2: 100 lb	Position 2	100.00 lb
3: 100 lb	Position 3	100.00 lb
4: 100 lb	Position 4	100.00 lb
Maximum Error:		0.00 lb
Max Allowable Error:		0.10 lb

Linearity

	As Found					
	Weights Applied	Reading	Error		Allowable Error	Within Tol
Zero 1	0.00 lb	0.00 lb	0.00 lb	0 d	1 d	YES
2	100.00 lb	100.00 lb	0.00 lb	0 d	5 d	YES
3	200.00 lb	200.00 lb	0.00 lb	0 d	5 d	YES
4	300.00 lb	300.00 lb	0.00 lb	0 d	5 d	YES
Max 5	400.00 lb	400.00 lb	0.00 lb	0 d	5 d	YES
6	300.00 lb	300.00 lb	0.00 lb	0 d	5 d	YES
7	200.00 lb	200.00 lb	0.00 lb	0 d	5 d	YES
8	100.00 lb	100.00 lb	0.00 lb	0 d	5 d	YES
Zero 9	0.00 lb	0.00 lb	0.00 lb	0 d	1 d	YES

 Substitution method used

Adjustment of scale has been necessary

In case of "NO", "AS FOUND" results correspond to "AS LEFT"

 YES NO

Repeatability

Weights Applied: 100.00 lb

	<i>Loaded</i>	<i>Empty</i>	<i>Difference</i>
1	100.00 lb	0.00 lb	100 lb
2	100.00 lb	0.00 lb	100 lb
3	100.00 lb	0.00 lb	100 lb
	<i>Maximum Error:</i>	0.00 lb	0.0 d
	<i>Allowable Error:</i>	0.10 lb	5 d

Uncertainty

Measurement Uncertainty = 0.013 lb

Measurement Uncertainty represent expanded uncertainties using a coverage factor of K=2 which provides a level of confidence of approximately 95%. Allowance must be made for the environment at the place of calibration, uncertainty induced by the item being calibrated and adverse effects caused by transportation of calibration equipment. These factors could result in the uncertainty being larger than the CMC.

Remarks

VERIFIED CALIBRATION.
