



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Platform
Model: US-TBxxxx & US-TBSxxxx Series
 n_{max} : 5000
 e_{min} : 0.5 lb / 1.0 lb / 2.0 lb (see below)
Capacity: 2500 lb to 10 000 lb
Platform:
Accuracy Class: III

Submitted By:

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Standard Features and Options

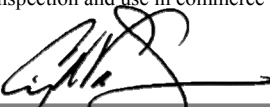
TB: designates mild steel
TBS: designates stainless steel

Model	Capacity	e_{min}	n_{max}	Platform Dimensions
US-TB/TBS 3636	2500, 5000, 10 000 lb	0.5, 1.0, 2.0 lb	5000	3' x 3'
US-TB/TBS 3648	2500, 5000, 10 000 lb	0.5, 1.0, 2.0 lb	5000	3' x 4'
US-TB/TBS 4848	2500, 5000, 10 000 lb	0.5, 1.0, 2.0 lb	5000	4' x 4'
US-TB/TBS 4860	2500, 5000, 10 000 lb	0.5, 1.0, 2.0 lb	5000	4' x 5'
US-TB/TBS 6060	2500, 5000, 10 000 lb	0.5, 1.0, 2.0 lb	5000	5' x 5'

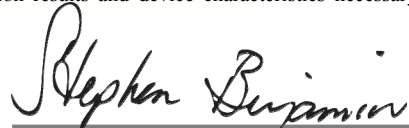
Load Cell Used: Zemic H8C (NTEP Certificate of Conformance Number 07-012 or NTEP certified metrological equivalent.)

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.



Craig VanBuren
Chairman, NCWM, Inc.



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USA Measurements

Weighing/Load Receiving Element / US-TBxxxx and US-TBSxxxx Series

Application: General purpose weighing/load-receiving element when connected to a certified and compatible indicating element.

Identification: The identification badge is mounted to the side of the device.

Sealing: A wire security seal is to be used by threading through the holes in 2 or more screws on the junction box.

Test Conditions: This Certificate of Conformance supersedes Certificate of Conformance Number 19-133 and was issued to indicate a company phone number change. No additional testing was required. Previous test conditions are listed below for reference.

Certificate of Conformance Number 19-133: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on the device design, operation, and marking requirements. For the purpose of this evaluation a model US-TB3636 (2500 lb) and a model US-TB6060 (10 000 lb) weighing element was submitted. The devices were interfaced with a Tscale model BW indicator (NTEP Certificate of Conformance Number 12-066). The devices were subjected to discrimination tests, center of zero tests, shift tests, and several increasing/decreasing load tests to capacity. The device was sealed and after the required minimum 300 weighments and 20-day time period, the minimum use criteria required by NTEP being met, the device was retested in a similar manner.

Evaluated By: E. A. Payne, Jr (MD) 19-133; M. Manheim (NCWM) 19-133A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2012 Edition. *NCWM Publication 14 Measuring Devices*, 2012 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: D. Flocken (NCWM) 19-133, 19-133A1

Example(s) of Device:



Model US-TBxxxx Mild Steel



Model US-TBSxxxx Stainless Steel