NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Weighing/Load Receiving Element
Bench/Counter/Platform
Model: US-E and US-i Series
n_{max}: 5000
e_{min}: 0.01 lb (See Below)
Capacity: 50 to 1250 lb (See Below)
Platform: 320 x 360 mm to 800 x 800 mm
Accuracy Class: III

Submitted By: Contact Info. Updated October 2022
USA Measurements
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Standard Features and Options

Model	Platform Size	Capacity (lb)	e_{min}	n_{max}
US-X1214	320 x 360 mm	50 /100/200	0.01/0.02/0.05 lb	5000
US-X1418	350 x 450mm	50 /100/200	0.01/0.02/0.05 lb	5000
US-X1616	400 x 400 mm	50 /100/200	0.01/0.02/0.05 lb	5000
US-X1620	400 x 500 mm	100/200/500	0.02/0.05/0.1 lb	5000
US-X1721	420 x 520 mm	100/200/500	0.02/0.05/0.1 lb	5000
US-X2424	600 x 600 mm	100/200/500/1000/1250	0.02/0.05/0.1/0.2/0.5 lb	5000
US-X2431	600 x 800 mm	500/1000/1250	0.1/0.2/0.5 lb	5000
US-X3131	800 x 800 mm	500/1000/1250	0.1/0.2/0.5 lb	5000

Platform Material:

- US-i Stainless Steel
- US-E Aluminum

Load Cell Used:

Models BT T2A non-NTEP, BT T4A non-NTEP, and BT T6B non-NTEP

Temperature Range: -10 ºC to 40 ºC (14 ºF to 104 ºF)

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.

Stephen Benjamin
Committee Chair, NTEP Committee
Issued: December 17, 2019

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USA Measurements

Weighing/Load Receiving Element / US-E and US-I

Application: For general purpose weighing applications when interfaced with a certified and compatible indicating element.

Identification: The G.S.1 information can be found on a self-destructive label on the load receiving element under the platform.

Sealing: This device has no physical means that require sealing. Calibrations are performed through the indicator. Seal the indicator as required in its NTEP Certificate of Conformance.

Test Conditions: This Certificate of Conformance supersedes Certificate of Conformance Number 19-134 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 19-134: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of this evaluation was on device design, performance, and compliance with influence factor requirements. Three US-E series were submitted to the laboratory, 400 x 400 mm (50 x 0.01 lb) 600 x 600 mm (500 x 0.01 lb) 800 x 800 mm (1000 x 0.02 lb), Several increasing/decreasing and shift tests were performed. The devices were tested over a temperature range of -10°C to 40°C (14°F to 104°F). A load of approximately one-half capacity was applied over 100 000 times. The scales were tested periodically during this time.

Evaluated By: E. A. Payne, Jr (MD) 19-134; M. Manheim (NCWM) 19-134A1

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) 19-134, 19-134A1

Example(s) of Device:

