NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Weighing/Load Receiving Element
Digital Load Cell Electronic
Models: PBA439-xxyyy, PBA639-xxyyy
n_{max}: 5000 (See below)
e_{min}: 0.001 lb (0.0005 kg) (See below)
Capacity: 10 lb to 1000 lb (5 kg to 500 kg) (See below)
Accuracy Class: III

Submitted By:
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Standard Features and Options

Where xx = platter size
Where yyy = capacity

- Platter: Stainless Steel (closed design)
- Base Material: Welded Tubular or Stamped Stainless Steel
- Platform: 9" x 9" to 24" x 32"

Max lb (kg)	e_{min} lb (kg)	n_{max}	Dimension inch x inch
10 (5)	0.002 (0.001)	5000	9 x 9 or 9.5 x 12
25 (10)	0.005 (0.002)	5000	9 x 9 or 9.5 x 12
50 (25)	0.01 (0.005)	5000	12 x 12, 12 x 16 or 16 x 20
100 (50)	0.02 (0.01)	5000	12 x 12, 12 x 16, 16 x 20, 20 x 25 or 24 x 32
250 (100)	0.05 (0.02)	5000	16 x 20, 20 x 25 or 24 x 32
500 (250)	0.1 (0.05)	5000	20 x 25 or 24 x 32
1000 (500)	0.2 (0.1)	5000	24 x 32

Load Cells Used:
- Mettler Toledo Model SLP84x (CC: 21-010) or NTEP certified and compatible

Options:
- Wall or Column Mounting of Indicator
- Stainless Steel Mounting Stand
- Open Platter Design

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of *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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Mahesh Albuquerque
Chair, NCWM, Inc.

Ivan Hankins
Chair, NTEP Committee
Issued: August 17, 2022

Mettler-Toledo, LLC

Weighing/Load Receiving Element / PBA439xxyyy, PBA639-xxyyy

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

Identification: The required information is on an adhesive badge located under the scale platter.

Sealing: The weighing/load receiving element has no metrological functions calibration and configuration of the scale are done through the indicator

Test Conditions: This Certificate supersedes Certificate of Conformance 21-097A1 and is issued to include an open platter design in the Standard Features and Options box. A model PBA639-xxyyy 25 lb x 0.005 lb (10 kg x 0.002 kg) was submitted. Multiple increasing/decreasing and eccentricity tests were performed. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance 21-097A1: This Certificate supersedes Certificate of Conformance 21-097 and is issued to include model PBA639-xxyyy that was inadvertently left of the certificate. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance 21-097: The emphasis of the evaluation was on device design, marking, performance, and compliance with influence factor requirements. Model PBA439, 10 lb x 0.002 lb (5 kg x 0.001 kg), 100 lb x 0.02 lb (50 kg x 0.01 kg) and 1000 lb x 0.02 lb (500 kg x 0.1 kg) weighing/load receiving elements were interfaced with Mettler Toledo ICS series indicator (Certificate of Conformance Number 10-086) and submitted for evaluation. Several increasing/decreasing load 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 to the scale over 100 000 times. The scales were tested periodically over this time.

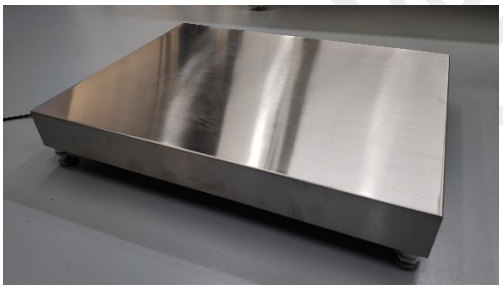
Evaluated By: C. Boggs (OH); J. Gibson (OH) 21-097; M. Manheim (NCWM) 21-097A1, J.Gibson (OH) 21-097A2

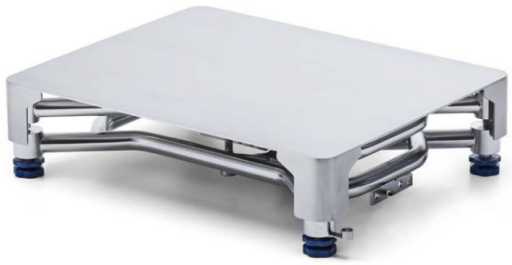
Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2022 Edition. *NCWM Publication 14: Weighing Devices*, 2022 Edition.

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) 21-097, 21-097A1, 21-097A2

Example(s) of Device:





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Weighing/Load Receiving Element / PBA439xxyyy, PBA639-xxyyy