



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Load Cell Electronic
Models: CB, CBX, CBU, CBUX, PBA655 and PBA655X
 n_{max} : 5 000 CB and CBX
 n_{max} : 10 000 CBU, CBUX, PBA655 and PBA655X
 e_{min} : 0.002 lb (0.001 kg) CB and CBX
 e_{min} : 0.001 lb (0.0005 kg) CBU, CBUX, PBA655 and PBA655X
Capacity: 10 to 1000 lb (5 to 500 kg)
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Configurations:
 - CBy, CByX, CBUy or CBUyX where y indicates nominal capacity in kg
 - Letter "L" in the model number indicates a larger platter option
- Platter: Stainless Steel
- Base Material: Welded and Formed Carbon Steel
- Platform: 9" x 9" to 24" x 24", 9.5" x 12" to 24" x 32"

Load Cells Used:

- Mettler-Toledo Model 0785 (non-NTEP) - 10 to 100 kg capacity
- Mettler-Toledo Model 0795 (non-NTEP) - 100 to 300 kg capacity
- Mettler-Toledo Model 0805 (non-NTEP) - 100 to 750 kg capacity

Specific Capacities:

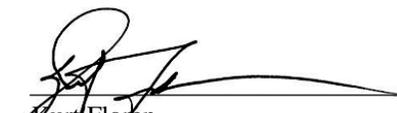
- CB, CBX: 10 lb to 1000 lb (5 kg to 500 kg) 5000 d
- CBU, CBUX, PBA655, PBA655X: 10 lb to 500 lb (5 kg to 300 kg) 10 000 d

Options:

- Wall or Column Mounting of Indicator
- Stainless Steel Mounting Stand
- Roller Top Platter
- Transfer Ball Platter

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.


Kurt Floren
Chairman, NCWM, Inc.


Jim Tyson
Chairman, National Type Evaluation Program Committee
Issued: May 3, 2012

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Mettler-Toledo, LLC

Weighing/Load Receiving Element / CB, CBX, CBU, CBUX, PBA655 and PBA655X

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 that require the use of a security seal. Calibration and configuration of the scale are done through the indicator.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 02-081A1 and was issued to include the new model naming format PBA655, PBA655X and additional platter sizes. Models PBA655, 10 lb x 0.001 lb (5 kg x 0.0005 kg), 100 lb x 0.01 lb (50 kg x 0.005 kg) and, 500 lb x 0.05 lb (300 kg x 0.02 kg) were interfaced with a Mettler Toledo model IND780 (Certificate of Conformance Number 06-017) and submitted for evaluation. Several increasing/decreasing load and shift tests were performed. Previous test results are listed below for reference.

Certificate of Conformance Number 02-081A1: The purpose of this amendment is to add the Models CBU and CBUX to the Certificate of Conformance. The emphasis of the evaluation was on device design, marking, and compliance with influence factor requirements. A model CBU6, 10 lb x 0.001 lb (5 kg x 0.0005 kg), a model CBU60L, 100 lb x 0.01 lb (50 kg x 0.005 kg) and a model CBU600, 500 lb x 0.05 lb (300 kg x 0.02 kg) load receiving/weighing elements were interfaced with Mettler-Toledo Model Panther (Certificate of Conformance Number 96-125) indicators 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 each base over 100 000 times. The scales were tested periodically during this time.

Certificate of Conformance Number 02-081: The emphasis of the evaluation was on device design, marking, and compliance with influence factor requirements. A model CB6, 10 lb x 0.002 lb (5 kg x 0.001 kg), a model CB60L, 100 lb x 0.02 lb (50 kg x 0.01 kg) and a model CB600, 1000 lb x 0.2 lb (500 kg x 0.1 kg) load receiving/weighing elements were interfaced with Mettler-Toledo Spider (Certificate of Conformance Number 96-021) indicators 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 each base over 100 000 times. The scales were tested periodically during this time.

Evaluated By: A. McCoy, W. West (OH) 02-081, 02-081A1; J. Morrison (OH) 02-081A2

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

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

Information Reviewed By: S. Patoray (NCWM), L. Bernetich (NCWM) 02-081, 02-081A1; J. Truex (NCWM) 02-081A2

Examples of Device:

