



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Non-Computing Scale  
 Digital Electronic  
 Model: ICS4x5, ICS685, PBD555, PBK785  
 Capacity: Class III: 6 lb to 60 lb / 3 kg to 35 kg  
           Class II: 1.2 lb to 60 lb / 610 g to 35.1 kg  
 $e_{min}$ : Class III: 0.001 lb / 0.0005 kg;  
           Class II: 0.00002 lb / 0.00001 kg  
 $n_{max}$ : Class III: 6 000; Class II: 61 000  
 Accuracy Class: II / III

**Submitted By:**

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**Standard Features and Options**

- Semi-Automatic (push button) Zero Setting Mechanism (SAZSM)
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (push button) Tare
- Keyboard Tare
- Gross/Net/Tare Display
- AC Power Supply
- AC/DC Adaptor
- Unit Switching (lb, kg, g, oz)
- Screen Saver
- Power Save
- RS-232
- Remote Printer Capability
- Draft Shield (Model 610 g only)

**Options**

- Multi-Interval
- Multiple Range

**Load Cells Used**

- Class III Scales: Models 0765 and 0785 (Non-NTEP)
- Class II Scales: Model MonoBloc (non-NTEP)

Temperature Range: Class III: -10 °C to 40 °C (14 °F to 104 °F), Class II: 10 °C to 30 °C (50 °F to 86 °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.

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James Cassidy  
 Chairman, NCWM, Inc.

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Kristin Macey  
 Committee Chair, National Type Evaluation Program Committee  
 Issued: February 14, 2018

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## Mettler-Toledo, LLC

Non-Computing Scale / ICS4x5, ICS685, PBD555, PBK785

**Application:** General purpose weighing.

**Identification:** The required information appears on a self-destructive label on the back of the indicator. The capacity x division information appears adjacent to the weight display in all weight ranges.

**Sealing:** This device uses a Category 1 sealing method. A self-destructive seal is placed over a screw which prevents removal of the screw eliminating access to calibration and configuration parameters.

**Test Conditions:** This Certificate supersedes Certificate of Conformance Number 12-104 and was issued to include a new model designating format. The models PBD555 and PBK785 have been added to the certificate. Based upon information supplied by the manufacturer the new models are metrologically identical to the existing models listed. No additional testing was deemed necessary. Previous test conditions are listed below for reference.

**Certificate of Conformance Number: 12-104:** The emphasis of the evaluation was on the device design, operation, marking requirements, performance and compliance with influence factors. Four model ICS4x5 (610 g x 0.01 g, 6 lb x 0.001 lb, 6 kg x 1 g and 60 lb x 0.01 lb) and a model ICS685 (35.1 kg x 1 g) were submitted to verify compliance with zero, zone of uncertainty and motion detection requirements. Devices were evaluated for multi-interval and multiple range features. 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) for Class III and a temperature range of 10 °C to 30 °C (50 °F to 86 °F) for Class II. A load of approximately one-half capacity was applied to the scale more than 100 000 times. The scale was tested periodically during this time. Additionally, tests were conducted using 100 VAC, 240 VAC, and 12 VDC power supplies.

**Evaluated By:** J. Morrison (OH) 12-104

**Type Evaluation Criteria Used:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14 Weighing Devices*, 2017 Edition

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

**Information Reviewed By:** J. Truex (NCWM) 12-104, 12-104A1

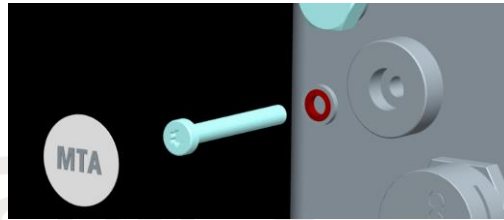
### **Examples of Device:**





**Mettler-Toledo, LLC**

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Sealing Method

