



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Electronic, Bench Scale, Single or Multiple Range
Model: P-series
 $n_{\max}$: 3000
 $e_{\min}$: 0.005/0.01 kg / 0.01/0.02 lb
Capacity: 15/30kg / 30/60 lb
Platform: 385 mm x 280 mm
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Price Look-up Capability
- Keyboard Tare
- Semi-Automatic (Push Button) Tare
- Thermal/UPC Printer
- Liquid Crystal Display with Touch screen
- Programmable Tare with PLUs
- Variable Print Format for Labels
- Serial and USB outputs
- Automatic Zero Tracking (AZT)
- Semi-Automatic Zero Setting Mechanism (SAZSM)
- Initial Zero Setting Mechanism (IZSM)
- AC power
- Single or Multiple Range Option

Load Cells Used:

Tscale Model BX6 5000 nmax (non-NTEP)

Temperature Range: 0 °C to 40 °C (32 °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.

James Cassidy
Chairman, NCWM, Inc.

Kristin Macey
Committee Chair, National Type Evaluation Program Committee
Issued: August 15, 2017

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**Tscale Electronic Mfg. (Kunshan) Co., Ltd.**

Computing Scale / P-series

Application: General purpose retail computing scale.

Identification: The required information appears on a self-destructive label located on the side of the scale. The capacity by division statement is on the display near the weight indication.

Sealing: The device is sealed using self-destructive seal used to cover the calibration access opening and a physical wire seal threaded through screw heads. Plastic plate is used to cover the calibration access opening. (see picture below)

Test Conditions: For the purpose of this evaluation, a model P10 multi-range computing scale (15/30kg x 0.005/0.01kg & 30/60 lb x 0.01/0.02 lb) computing scale was submitted for evaluation. The emphasis of the evaluation was on the device design, operation, performance, marking requirements and compliance with influence factor requirements. Increasing/decreasing, discrimination repeatability, warm up, power interrupt, and level indicator tests were performed. The device was tested over a temperature range of 0 °C to 40 °C (32 °F to 104 °F). A load of approximately ½ capacity was applied over 100 000 times and tested periodically during this time, and then the eccentricity and discrimination tests were repeated. Voltage tests were conducted using 85 VAC and 264VAC.

Evaluated By: M. Kelley (OH)

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

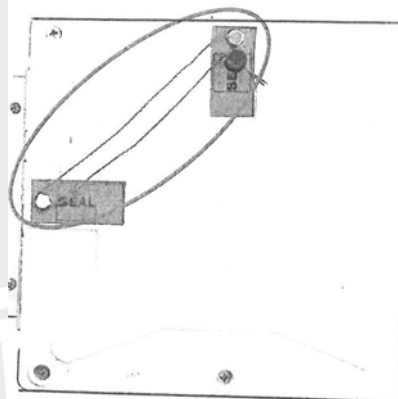
Information Reviewed By: J. Truex (NCWM)

Examples of Device:

P10



Sealing under side



1. Seal with Sticker

2. A wire seal is passed through the holes in two sealing screws mounted on the bottom of the scale.

one of the sealing screws blocks access to the calibration switch.