



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: PWT-xxK-M Series
 n_{max} : 3000
 e_{min} : (see table below)
Capacity: 3 kg to 30 kg (see table below)
Platform: 220 cm x 180 cm (8.5 in x 7 in)
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Semi-Automatic Zero Setting Mechanism (Push Button)
- Initial Zero Setting Mechanism (IZSM)
- Automatic Zero Tracking (AZT)
- Semi-Automatic Tare (Push Button)
- Alphanumeric Display
- Customer Display (Dual)
- AC Power
- DC Power
- Sleep Mode
- Auto Shut Off
- Single Range
- Multi Range
- RS-232/USB

| Model | Capacity | E min | N max | Accuracy Class |
|------------|---------------|-------------|-------------|----------------|
| PWT-3K-M | 3 kg | 1 g | 3000 | III |
| PWT-6K-M | 6 kg | 2 g | 3000 | III |
| PWT-15K-M | 15 kg | 5 g | 3000 | III |
| PWT-30K-M | 30 kg | 10 g | 3000 | III |
| PWT-3K-MR | 1.5 kg / 3 kg | 0.5 g / 1 g | 3000 / 3000 | III |
| PWT-6K-MR | 3 kg / 6 kg | 1 g / 2 g | 3000 / 3000 | III |
| PWT-15K-MR | 6 kg / 15 kg | 2 g / 5 g | 3000 / 3000 | III |
| PWT-30K-MR | 15 kg / 30 kg | 5 g / 10 g | 3000 / 3000 | III |

Load Cell Used: Zemic L6D (NTEP CC 11-012), or other NTEP certified metrological equivalent

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.

Jerry Buendel
Chairman, NCWM, Inc.

Ronald Hayes
Committee Chair, National Type Evaluation Program Committee
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Nanjing Toms Weighing Instruments Co., Ltd.
Non-Computing Scale / PWT-xxK-M Series

Application: For use in general purpose weighing applications.

Identification: A self-destructive sticker with the identification information is located on the side of the unit.

Sealing: Wire security seal threaded through two screws that cover a plate that grants access to the calibration switch.

Test Conditions: The emphasis of this evaluation was on the design, marking requirements, operation and compliance with influence factor requirements. Two multi-range scales were provided for this evaluation: a model PWT-3K-MR and a PWT-30K-MR. These devices were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). They also had a load of approximately one half capacity applied over 100,000 times with several increasing / decreasing load tests performed during this time. Several shift and load discrimination tests were conducted during the evaluation. The units under evaluation were tested with supply voltages from 102 to 132 VAC, 4.2 to 6.6 VDC and were also subjected to RFI testing.

Evaluated By: E. Morabito (NY)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2016 Edition. *NCWM Publication 14 Weighing Devices*, 2016 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:

