



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic/ Point of Sale Scale
Model: TPA/TPB/TPD/TPP Series
 n_{max} : 6000
 e_{min} : 0.002 lb / 0.001 kg / 0.05 oz
Capacity: See table in the SFO box
Platform: 13.6 in x 10.4 in
Accuracy Class: III

Submitted By:

VisionTechShop.com
100 Temple Ave.
Hackensack, NJ 07601
Tel: 210-679-7793
Contact: JONG IL KIM
Email: GoUSApos@gmail.com
Website: www.VisionTechShop.com

Standard Features and Options

Model	Maximum Capacity	$d=e_{min}$
TPA/TPB-12	12 lb / 6 kg / 192 oz	0.002 lb / 0.001 kg / 0.05 oz
TPA/TPB-30	30 lb / 12 kg / 480 oz	0.005 lb / 0.002 kg / 0.1 oz
TPA/TPB-60	60 lb / 30 kg / 960 oz	0.01 lb / 0.005 kg / 0.2 oz
TPD/TPP-12	12 lb / 6 kg / 192 oz	0.002 lb / 0.001 kg / 0.05 oz
TPD/TPP-30	30 lb / 12 kg / 480 oz	0.005 lb / 0.002 kg / 0.1 oz
TPD/TPP-60	60 lb / 30 kg / 960 oz	0.01 lb / 0.005 kg / 0.2 oz

- Semi-Automatic (Push Button) Zero Setting Mechanism (SAZSM)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Tare (Push Button) * See Application Section on Page 2*
- TPD, TPP models have dual displays
- TPA model powered by USB (5VDC)
- RS-232 / optional USB
- External pound / kilogram / ounce
- Optional Bluetooth interface (except TPA)
- Optional rechargeable battery (except TPA)
- External AC/DC transformer (100 VAC to 240 VAC) output 12 VDC
- Plastic housing (steel base) with stainless steel pan
- External unit conversion; lb, kg, oz

Load cell: T-scale Model: BX6 (Non-NTEP certified)

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.

Ivan Hankins
Chairman, NCWM, Inc.

Hal Prince
Chair, NTEP Committee
Issued: February 1, 2022

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) does not approve, recommend, or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.



VisionTechShop.com

Non-Computing Scale/ TPA/TBB/TPD/TPP

Application: A non-computing scale and Point of Sale Scale, (When used with NTEP certified and compatible POS Software) for general purpose weighing applications.

Identification: A tamper evident adhesive label is attached to the side of the scale housing with markings, the capacity x division statement is located above the weight display.

Sealing: There are two drilled head screws for a wire seal. The calibration switch is located under one of the drilled head screws. The wire seal must be removed before the calibration switch can be accessed.

Test Conditions: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on the device design, operation performance and marking requirements. Three models were submitted for evaluation, a TPP-12, TPA-30 & TPB-60. Multiple increasing/decreasing load, shift, and discrimination tests were performed. The scales were tested at 85 VAC and 264 VAC, and the TPA was tested at 5 VDC. Functions such as lb/kg unit switching, tare operations were evaluated. The scales were tested at a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied 100 000 times, increasing, and decreasing load tests were performed periodically during and at the conclusion of permanence.

Evaluated By: M. Kelley (OH)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14: Weighing Devices*, 2020 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)

Example(s) of Device:



TPA/TPB



VisionTechShop.com
Non-Computing Scale/ TPA/TBB/TPD/TPP



TPD

TPP

Seal drawing:

