



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Non-Computing Scale  
Digital Electronic  
Model: TVS Series  
 $n_{max}$ : 6000  
 $e_{min}$ : 0.0005kg / 0.001 lb / 0.02 oz  
Capacity: 3kg /6 lb/96 oz to 25kg / 60 lb / 960 oz  
Platform: 7.5 in x 9 in  
Accuracy Class: III

**Submitted By:**

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**Standard Features and Options**

- Semi-automatic zero setting mechanism (SAZSM)
- Automatic Zero-Tracking Mechanism (AZT)
- Initial zero setting mechanism (IZSM)
- Platter tare
- External pound/kilogram/grams/ounce, unit conversion (pound ounce postal)
- External AC/DC transformer (100 – 240 VAC)
- Rechargeable internal battery (6 VDC)
- Power Off Mode
- Stainless Steel Housing

**Optional Features:** Customers Display

**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 "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.

  
Brett Gurney  
Chairman, NCWM, Inc.

  
James Cassidy

Committee Chair, National Type Evaluation Program Committee

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Non-Computing Scale / TVS Series

**Application:** A non-computing scale for general purpose weighing applications.

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

**Sealing:** The scale is sealed in two locations. The first sealing location is the calibration switch its located under the scale under the battery sealed with the paper seal and plastic disc. The second sealing location is under the scale on the left side, there are two drilled head screw. Sealing these screws prevent the scale housing from being separated. (see picture below)

**Test Conditions:** This certificate is issued based on 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. Two models of the S29 Series were submitted for evaluation a 6 lb x 0.001 lb and a 60 lb x 0.01 lb. Multiple increasing/decreasing load, shift, and discrimination tests were performed. The scale was tested at 85 VAC and 264 VAC and 4.6 VDC to 13.2 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:** *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2019 Edition. *NCWM Publication 14 Weighing Devices*, 2019 Edition.

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

**Information Reviewed By:** D. Onwiler (NCWM)

**Example of Device:**



S29 Series



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## Sealing

