



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Electronic, Non-Computing
Model: TBW(x) and TCW(x) Series
 n_{\max} : 6000
Accuracy Class: III

Submitted By:

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Standard Features and Options


TBW/TCW = Plastic Housing

TBWS/TCWS = Stainless Steel Housing

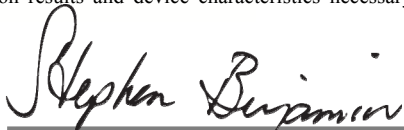
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Automatic Zero Setting Mechanism (AZT)
- Semi-Automatic Zero (Push Button) Zero
- Semi-Automatic (Push Button) Tare
- AC Power
- DC/Battery Power
- Gross/Net Display
- RS-232
- Wireless Printer Feature
- Battery Saving Feature
- LCD Display
- Motion Detection
- Unit Key
- lb/oz/kg/g units
- Battery Operation with Low Battery Indication
- Gross/Net Display
- Gross/Net Weight Accumulation

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.



Craig VanBuren
Chairman, NCWM, Inc.



Stephen Benjamin
Committee Chair, NTEP Committee
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Indicating Element / TBW(x) and TCW(x) Series

Application: General purpose indicating element when connected to an NTEP certified and compatible weighing/load-receiving element.

Identification: The self-destructive identification badge may be found on the back of the indicating element.

Sealing: A lead wire security seal must be used by sealing two (2) predrilled sealing screws on the back of the indicator.

Test Conditions: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The Model(s) TBW, TBWS, and TCWS digital weight indicators were submitted for this evaluation. The emphasis of the evaluation was on device design, operation, and compliance with influence factor requirements. The indicator was interfaced with a load cell simulator and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The indicators were interfaced with a load receiving element, Tscale PB4252, and a printer. The device was tested for discrimination, power interruption, zero tests, and print format. Additionally, the device was tested with a supply voltage of 100VAC to 130VAC and 5.8VDC to 7.2VDC.

Evaluated By: E. A. Payne, Jr (MD)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2012 Edition. *NCWM Publication 14 Measuring Devices*, 2012 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:



Model TBW



Model TBWS



Model TCW



Model TCWS