



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: Counterpart
 n_{\max} : 5 000
Accuracy Class: III / III L

Submitted By:

Rice Lake Weighing Systems, Inc.
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Standard Features and Options

Standard Features:

- Semi- automatic (push-button) Zero (SAZSM)
- Semi-Automatic (push-button) Tare
- Programmable Tare
- LCD Display
- Center of Zero Annunciator
- Alphanumeric Keypad
- Printer Interface
- Unit Conversion (kg, g, lb, oz)
- Linear Calibration Points (5)
- AC Power
- Two RS-232 Ports
- 20 mA Current Loop
- Category 2 Audit Trail

Options:

- Dual Channel
- DC Power (Battery) Supply
- Ethernet
- USB
- AC/DC Adapter
- Automatic Zero Tracking (AZT)
- Keyboard Tare
- Gross/Net Display
- Sleep Mode
- Alphanumeric Display
- Remote Calibration
- Wireless Communications

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.

Stephen Benjamin
Chairman, NCWM, Inc.

Kurt Floren
Committee Chair, National Type Evaluation Program Committee
Issued: November 19, 2012

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Rice Lake Weighing Systems, Inc.
Indicating Element / Counterpart

Application: General purpose scales. The indicator is approved for use with compatible NTEP certified weighing and printing elements.

Identification: The identification badge is located on the back of the indicator.

Sealing: The indicator can be sealed with a lead and wire seal threaded through two drill head screws in the left side of the indicator.

This unit includes a Category 2 Audit Trail. The device may still be sealed with a physical seal as described above or the inspector may record the audit trail event counters at the time of test. To view the CALIB Counter press the [MENU SETUP] key, then press the Down Arrow [GROSS NET] key, then press the Right Arrow [PRINT] key. This will display the CALIB Counter. To view the CONFIG Counter press the Up Arrow [ZERO] key, then press the Right Arrow [PRINT] key, then press the Down Arrow [GROSS NET] key. This will display the CONFIG Counter. To exit, press the [SAVE EXIT] soft key at the bottom left corner of the display.

Test Conditions: This emphasis of this evaluation was on the device design, operation, performance, and compliance with influence factor requirements. One Counterpart indicator was submitted for evaluation and was interfaced with a load cell simulator and a scale base at the same time in order to demonstrate dual scale mode functionality. The indicator was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Additionally, tests were conducted using power supplies of 100 and 240 VAC, then 9 and 15 VDC. The wireless printing features were tested in conformance to NCWM Publication 14 requirements.

Evaluated By: J. Morrison (OH)

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

Example of Device:



Counterpart