NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:
Indicating Element
Digital Electronic
Model: WS10
n_{max}: 5 000
Accuracy Class: III

Submitted By:
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Standard Features and Options

Standard Features:
- Semi-automatic (push-button) Zero
- Automatic Zero Tracking (AZT)
- Keyboard Tare
- Receipt Printer
- AC Power
- Gross/Tare/Net Display
- LED Display
- Pound/kg Conversion
- RS-232 Communication Port
- Wall Mounting Bracket

Option:
- LCD Display

Temperature Range: -10 ℃ to 40 ℃ (14 ℉ to 104 ℉)

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.

Randy Jennings
Chairman, NCWM, Inc.

Judy Cardin
Chairman, National Type Evaluation Program Committee
Issued: April 6, 2010

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WeighSouth, Inc.

Indicating Element / WS10

Application: General purpose indicating element for use with a compatible and certified weighing element.

Identification: A tamper evident adhesive label is located on the top, left-hand side of the indicator.

Sealing: A physical security seal is threaded through two drilled head screws securing the back cover and preventing access to the calibration switch located inside the device. Calibration is initiated by turning the calibration switch on. While in calibration mode the indicator displays "Cal." Press "Print" to save entries and turn calibration switch off to return to normal weighing.

Test Conditions: The emphasis of this evaluation was on device design, operation, performance, and compliance with influence factor requirements. The Model WS10 was submitted for evaluation and interfaced with a RADWAG weighing element Model WPT-10 (Capacity 10 x 0.002 lb, Certificate of Conformance Number 07-067A1). Increasing/decreasing load tests were performed over a temperature range of -10°C to 40°C (14°F to 104°F) and line voltages of 100 VAC and 130 VAC. Additionally, the indicator was evaluated for RFI, tare, discrimination, center of zero, and print format tests.

Evaluated By: S. Boyd (CA)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2010. NCWM, Publication 14: Weighing Devices, 2009.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.
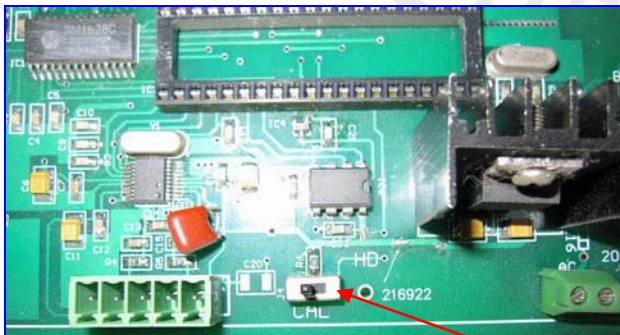
Information Reviewed By: J. Truex (NCWM)

Example of Device:
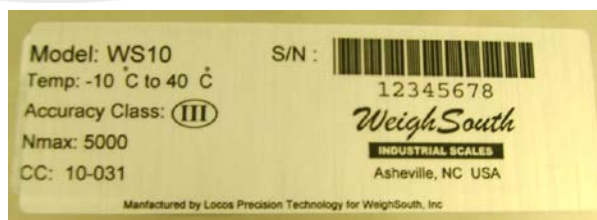

Model WS10 – Front View

Model WS10 – Rear View Lead Wire Seal

Model WS10 – Inside View   Calibration Switch

Model WS10 – Tag with Markings