



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: APX
 $n_{\max}$: 10 000
Accuracy Class: III/IIIL

Submitted By:

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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Keyboard Tare
- Semi-Automatic Tare (Push Button)
- Multiple Tare Memories
- AC Power
- Liquid Crystal Display
- RS-232 Communication
- Linearity Calibration Points
- Multi-deck (Multichannel) Capability

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.

Kristin Macey
Chairman, NCWM, Inc.

Jerry Buendel
Committee Chair, National Type Evaluation Program Committee
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**Western Scale Co., Ltd.**

Indicating Element / APX

Application: A general purpose indicating element to be interfaced with NTEP certified and compatible weighing element(s).

Identification: The required marking information is on a label located on the device. Labels for capacity, division size, CLC (concentrated load capacity; if required), and section capacity (if required) will be identified on an adhesive label. The label(s) self-destruct when removed.

Sealing: The unit utilizes a Category I audit trail. Access is restricted through two event counters (one for calibration parameters and one for configuration parameters) for each weighing element. The event counters can be accessed by simultaneously pressing the left and right arrow.

Test Conditions: This certificate supersedes Certificate of Conformance Number 15-086 and was issued to correct the Class designation of Class III/IIIL. Class IIIL was inadvertently omitted from the original certificate. Test data was reviewed by the NTEP laboratory. Previous test conditions are listed below for reference.

Certificate of Conformance Number 15-086: This device was submitted to and evaluated by Measurement Canada under the NCWM and Canadian MRA. The technical data was reviewed by the New York NTEP laboratory for compliance with Publication 14 and NIST Handbook 44 requirements. A model APX indicator was submitted for this evaluation. The emphasis of the evaluation was on the device design, operation, and compliance with environmental factors. The device was connected to an approved, compatible weighing element and tested for accuracy over a temperature range of -10° C to 40° C (14° F to 104° F). The device was tested with 84 VAC and 264 VAC power supplies and subjected to electromagnetic testing with 27 MHz and 460 MHz.

Evaluated By: E. Langevin (MC), E. Morabito (NY) 15-086; E. Morabito (NY) 15-086A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2017 Edition. *NCWM Publication 14 Weighing Devices*, 2016 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) 15-086, 15-086A1

Example of Device:

