



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Models: 1280-XY*
 n_{max} : 10 000
Accuracy Class: III / III L

Submitted By:

Rice Lake Weighing Systems
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Standard Features and Options

* The model suffixes XY designate the following:
X = Enclosure type; 2 = Universal, 3 = Wall mount, 4 = Panel mount, 5 = 7" Touch Only, 6 = 12" Touch Only
Y = Power input; A = 100 to 240 VAC, D = 9 to 36 VDC

Standard Features:

- Semi-Automatic (push-button) Zero (SAZSM)
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Keyboard Tare
- Semi-Automatic (push button) Tare
- Multiple Tare Memories
- Category 2 Audit Trail
- LCD Graphical Display
- Operator Prompted & Graphical Display
- Gross/Net Display or Gross/Tare/Net Display
- ROC Display
- Configurable Soft Keys
- Local / Remote Operation
- Inbound/Outbound Vehicle Weighing
- Configurable Setpoints
- Configurable Secondary & Tertiary Units
- Multi-deck (Multi-channel) Capability 8 Channels plus summing Touch Screen
- Multi Interval / Multiple Range / Single Range
- Serial Scale
- Password Protection
- User Programmable
- Alibi Storage
- Variable Print Format
- Remote Printer Capability
- Remote Keyboard
- RS-232 Communication Port
- RS-485/422 Communication Port
- Wireless Communication
- USB / Ethernet / WiFi / Bluetooth
- Linearity Calibration Points (6)
- Unit Conversion (lb / kg / g / oz / oz t / LT / T / t / lb t / gr)

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.

James P. Cassidy Jr.

James Cassidy
Chairman, NCWM, Inc.

Kristin Macey

Kristin Macey
Chairman, National Type Evaluation Program Committee
Issued: January 10, 2018

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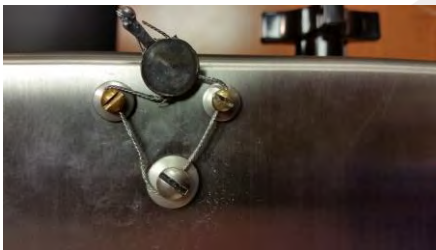
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Indicating Element / 1280-XY

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

Identification: The Multi-Interval / Multiple Range capacity by division statement and, where applicable, the CLC, will appear on an adhesive label on the front of the indicator. The display will also have a capacity by division statement directly beneath the weight display as well. The other required information appears on an adhesive label on the back the indicator (except for the panel mount version. The label requirements will be placed adjacent to the weight display on the housing that surrounds the indicator.)

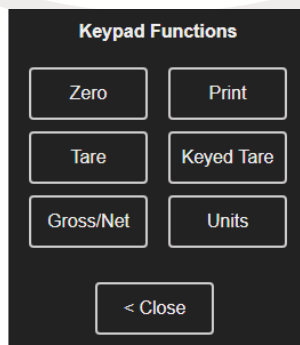
Sealing: The universal indicator utilizes a wire security seal threaded through 3 Pilaster head screws. One of the Pilaster head screws blocks the hole to the calibration switch (see below). The wall mount and panel mount enclosure types both use a DIN rail mount system which utilize a wire security seal threaded thru a Pilaster head screw which blocks access to the calibration switch and a hole provided in the enclosure as shown in the image below.



This device also has a category 2 audit trail. The audit trail can be accessed by pressing the menu button in the upper left corner of weigh screen and selecting the Audit Trail menu item (see picture).



The 1280 comes equipped with a virtual keypad . The functionality of the **Zero**, **Tare**, **Gross/Net**, **Print** and **Units** keys is identical to the physical keys located on the front panel of the keyed 1280





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Test Conditions: This Certificate supersedes Certificate of Conformance 15-001 and was issued to add an additional touch screen model 1280. A Rice Lake 1280-Touch screen interfaced to a load cell simulator and scale base was submitted. Several increasing/decreasing and discrimination (zone of uncertainty) tests were performed in both and other checklist requirements. The indicator was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Previous test conditions are listed below for reference.

Certificate of Conformance Number 15-001. The emphasis of this evaluation was on device design, marking requirements, performance, operation, and compliance with influence factor requirements. A Rice Lake 1280-2A (converted to 2D for DC testing) interfaced to a load cell simulator was submitted. Several increasing/decreasing and discrimination (zone of uncertainty) tests were performed in both multi-interval and multiple range. The indicator was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Additional test were conducted with variable voltages of 85 VAC to 264 VAC and 9 VDC to 36 VDC. Another Rice Lake 1280-2A was submitted and interfaced with 7 load cell simulators and 1 Rice Lake Weighing/Load Receiving Element to evaluate multi-deck (8) and summing capability, printing, unit conversion, wireless and other checklist requirements.

Evaluated By: T. Buck (OH) 15-001; M. Kelley (OH) 15-001A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14 Measuring Devices*, 2017 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)

Examples of Device:

Model: 1280-xy* Family





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Indicating Element / 1280-XY

