



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Indicating Element  
Digital Electronic  
Model: 755  
 $n_{max}$ : 10 000  
Accuracy Class: III

**\*Submitted By: Contact Info. Updated December 2022**

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### Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (push button) Zero Setting Mechanism (SAZSM)
- AC Power (100 VAC to 240 VAC)
- DC Power (12 VDC)
- Alphanumeric Display
- Liquid Crystal Display (LCD)
- Communication (USB, RS232, WiFi, Bluetooth)
- Units of Measure (lb & kg)
- Motion Detection
- Power Saving Feature (Automatic Shutoff)
- Remote Printer Capability
- Category 1 audit trail
- BMI is not Legal for Trade (not NTEP tested)
- Hold (Lock) Feature is not Legal for Trade, it can be disabled
- Semi-Automatic (push button) Tare

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of *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. \*Editorial changes, not affecting the type or metrological content, corrected this certificate.

Ivan Hankins  
Chair, NCWM, Inc.

Hal Prince  
Chair, NTEP Committee  
Issued: May 16, 2022

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**Cardinal Scale Manufacturing Co**  
Indicating Element / 755

**Application:** Non-Computing digital electronic indicating element for use with an NTEP certified and compatible weighing/load receiving element.

**Identification:** The capacity by division statement is marked on the front of the device adjacent to the weight display. All other required markings can be found on a label on the back of the indicator that will self-destruct if attempted to be removed.

**Sealing:** To access the Category 1 Audit trail: Press and hold the middle button on the left side; the display will show height for a short period of time, followed by the software revision. Release the middle button; the display will show CAL (Calibration Counter) on the upper display and the value on the main display for approximately two (2) seconds; the display will then show Cfg (Configuration Counter) on the upper display and the value on the main display for approximately two (2) seconds. The display will then show all dashes. Press the middle button on the left side again to return to normal operation.

**Test Conditions:** The emphasis of the evaluation was on device design, marking, operation, performance, and compliance with influence factors. A Model 755 indicating element was submitted for evaluation. The 755 indicator was interfaced to a Cardinal model EB-30 weighing/load receiving element (Certificate of Conformance 03-031) to verify compliance with zero, zone of uncertainty, and motion detection requirements. Additionally, the 755 was interfaced to a load cell simulator to perform several increasing / decreasing tests, warm-up test and power interrupt test. Voltage variation was performed at 85 VAC and 264 VAC and 6 VDC and 13.2 VDC. Temperature tests were performed over a range of -10 °C to 40 °C (14 °F to 104 °F).

**Evaluated By:** T. Buck, B. Stone (OH)

**Type Evaluation Criteria Used:** *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2022 Edition. *NCWM Publication 14: Weighing Devices*, 2022 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 of Device:**

