NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

## for Weighing and Measuring Devices

**For:**
Non-Computing Scale
Digital Electronic
Model: Solace
$n_{max}$: 5000
$e_{min}$: 0.2 lb/ 0.1kg
Capacity 1000lb/ 450kg
Accuracy Class: III

**Submitted By:**
Cardinal Scale Manufacturing Company
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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)
- Gross Weight Display
- Alphanumeric Display
- Liquid Crystal Display (LCD)
- Units of Measure (lb & kg)
- Motion Detection
- Multi-interval Capability
- Semi-Automatic (push-button) Tare
- Remote Printer Capability
- Power Saving Feature (Automatic Shutoff)
- Category 1 audit trail
- Stainless Steel or Mild Steel Platform Deck
- Communication (USB, RS232, WiFi, Bluetooth)

**Condition of Use:** This device shall be installed in a level position

**Load Cell Used:** Cardinal Scale Manufacturing Company Model LFB Series (NTEP Certificate of Conformance No. 20-047) or NTEP Certified and meteorological equivalent load cell.

**Temperature Range:** 5 °C to 35 °C (41 °F to 95 °F)

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.

Kevin Schnepp
Chair, NCWM, Inc.

Marc Paquette
Chair, NTEP Committee
Issued: November 3, 2025

## Cardinal Scale Manufacturing Co

Non-Computing Scale / Solace

**Application:** Non-computing scale for use in general purpose Class III weighing applications when installed in a level condition.

**Identification:** The required information appears on a self-adhesive (self-destructive) label located on the backside of the non-computing scale frame.

**Sealing:** To access the Category 1 Audit trail: Press the Menu key; the display will show the "Settings Overview 1" screen. This screen shows both the Calibration (Cal=) and Configuration (Cfg=) audit trails. Press "Exit" on the menu to return to normal operation.

**Test Conditions:** The emphasis of the evaluation was on device design, operation, performance, marking requirements, and compliance with influence factor requirements. A Solace 1000lb x 0.2lb 4' x 6' was submitted for evaluation. Several increasing/decreasing, eccentricity, repeatability, creep, warm up, power interruption, portability, and discrimination tests were performed. Voltage tests were conducted at 102 VAC and 132 VAC. Influence factor tests were conducted over a temperature range of 5 °C to 35 °C (41 °F to 95 °F). Additionally, a load of one-half capacity was placed on the device more than 100 000 times. At the conclusion of permanence testing, the increase/decrease, eccentricity, and discrimination tests were repeated. The device was tested for accuracy and functionality.

**Evaluated By:** B. Maser (NCWM) 25-103 (CN 11504)

**Type Evaluation Criteria Used:** *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2025 Edition. *NCWM Publication 14: Weighing Devices*, 2025 Edition.

**Conclusion:** The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

**Information Reviewed By:** J. Gibson (NCWM) 25-103

**Example of Device:**