



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: SCT-2200, SCT-1100, LaserLT
 n_{\max} : 10 000
Accuracy Class: III / IIII

Submitted By:

Rice Lake Weighing Systems
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Standard Features and Options

- Semi-Automatic (push button) Zero Setting Mechanism
- Automatic Zero Tracking (AZT)
- Semi-Automatic (push button) Tare
- Keyboard/programmable tare
- Gross/Net Display
- Multichannel (LaserLT & SCT-1100)
- 120 VAC (LaserLT)
- 12 – 24 VDC
- lb, kg, g, oz, ton
- Remote Printer Capability
- RS485
- RS232
- Plastic housing (models SCT-2200 & SCT-1100)
- Stainless-steel housing (model LaserLT)
- Category 2 sealing method (Audit trail)
- SCT-2200 & SCT-1100 also has a paper sealing method
- LaserLT also has a lead wire sealing method

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.

Hal Prince
Chairman, NCWM, Inc.

Craig VanBuren
Committee Chair, NTEP Committee
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Rice Lake Weighing Systems

Indicating Element / SCT-2200, SCT-1100, LaserLT

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

Identification: The required information appears on a self-destructive label on the side of the indicator. The capacity x division statement is on a label adjacent to the weight display.

Sealing: These devices use a category 2 sealing method, the same key presses are used on the SCT-1100, SCT-2200 and LaserLT:

1. Hold Power key until “Audit” is displayed.
2. Press Down key twice. Displays “Info” Displays “Audit”.
3. Press Enter key. Displays “LRV number”, “SYS.CFG” (System Configurations).
4. Press Down or Up Key to toggle between “SYS.CFG”, “SC.1.CFG” (Scale 1 Configurations) or “SC.1.CAL” (Scale 1 Calibrations).
5. Press Enter key to view the Audit Trail number for the selected counter.
6. Press the Clear key to again toggle between “SYS.CFG”, “SC.1.CFG” or “SC.1.CAL”. In the case of multiple scales it will toggle up to “SC.4.CFG.”
7. Press the Clear key to exist the Audit Trail mode.

The second method of sealing is the SCT-1100 and SCT-2200 use a paper seal, the LaserLT uses a lead and wire seal threaded through 4 drilled cover nuts, 2 on each side.

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements, performance, and compliance with influence factors. The SCT-2200, SCT-1100 & LaserLT were interfaced with a load receiving element to verify compliance with zero, zone of uncertainty and motion detection requirements. A load cell simulator was interfaced to the devices, several increasing/decreasing tests were performed. The device was tested over a temperature range of -10° C to 40° C (14° F to 104° F). Tests were conducted using 120 VAC and 12 to 24 VDC.

Evaluated By: M. Kelley (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2020 Edition. *NCWM Publication 14 Weighing Devices*, 2020 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:

