



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Scale System Controller
Digital Electronic / Software
Model: ScaleCore Webserver
 $n_{\max}$: 10 000
Accuracy Class: III / III L

Submitted By:

Rice Lake Weighing Systems
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Standard Features and Options

- ScaleCore Webserver communication software and any PC or mobile device with a Web Browser sending commands to initiate:
 - o Semi-Automatic (push button) Zero Setting
 - o Semi-Automatic (push button) Tare
 - o Initial Zero Setting Mechanism (IZSM)
 - o Keyboard Tare
 - o Unit Switching: (Indiciting element dependent)
- Voltage: 5 VDC to 57 VDC
- Power over Ethernet (POE)
- Wired or Wireless communication
- Ethernet
- PCs and Mobile Devices with a Web Browser.
- Aluminum Housing
- RS-232 Communication Port
- USB
- Multi-deck (Multi-channel) Capability

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.

Ivan Hankins
Chairman, NCWM, Inc.

Hal Prince
Committee Chair, NTEP Committee
Issued: November 19, 2021

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Rice Lake Weighing Systems

Indicating Element /

Application: For use with any Rice Lake Weighing Systems NTEP approved and compatible indicating element and weighing load receiving element and PCs or mobile devices with a web browser.

Identification: The markings are on a tamper evident self-adhesive label on the side of the device housing.

Sealing: The ScaleCore Webserver has no metrological functions and requires no sealing. The interfaced indicating and weighing element should be sealed according to its certificate of conformance.

Operation: The ScaleCore Webserver does not contain any A/D capability. The ScaleCore Webserver can initiate and perform the functions listed in the “Standard Features and Options Box” listed under the heading “**ScaleCore Webserver communication software sending commands to initiate.**” when interfaced to a PC or mobile device with a web browser. The Scale Core Webserver captures the weight value from the indicating element via a wireless or wired connection then transmits it via a wireless or wired connection to a PC or mobile device with a web browser. The ScaleCore Webserver may be powered directly or get power through the Ethernet connection (POE).

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements, performance, and compliance with influence factors. The ScaleCore Webserver was 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 device, several increasing/decreasing tests were performed. Tests were conducted using 4.8 VDC to 62.7 VDC, power interruption, tare, IZSM, SAZSM and unit switching functions were evaluated.

Evaluated By: J. Gibson (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*, 2021 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:

ScaleCore Webserver

