NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance
for Weighing and Measuring Devices

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For:

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

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Submitted By:

Rice Lake Weighing Systems
230 West Coleman Street
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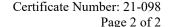**Standard Features and Options**

- 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: (Indicting 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 *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: November 19, 2021

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

Rice Lake Weighing Systems
Indicating Element / ScaleCore Webserver

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: *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(s) of Device:

ScaleCore Webserver