



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: 882IS & 882IS Plus
 n_{max} : 10 000
Accuracy Class: III / IIIL

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 Tare
- Gross/Net Display
- Multi- Range
- Multi- Interval
- External 100 – 240 VAC Power Supply/ 7.5 VDC output
- 6 VDC Battery Supply
- 6.8 to 7.2 VDC - AC/DC Adaptor (for charging battery only)
- Unit Switching (lb, oz, kg, g, T, t)
- Power Saving Features
- Remote Printer Capability
- RS422
- The following interfaces are available through an IO module connected to the indicating device via optical fiber:

| | |
|---------------|-----------------|
| Analog output | Ethernet TCP/IP |
| DeviceNet | EthernetIP |
| ProfiNet | Profibus |
| RS232 / RS485 | USB |

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

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.


Brett Gurney
Chairman, NCWM, Inc.


James Cassidy
Committee Chair, National Type Evaluation Program Committee

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Rice Lake Weighing Systems

Indicating Element / 882IS & 882IS Plus

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

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

Sealing: This device uses a wire seal threaded through two (2) drilled head nuts and one (1) drilled head screw on the back side which prevents access to calibration and configuration parameters. Device also has an audit trail. Press menu button, press tare button, press print button, Shows Cal. Then press gross shows Cal. No. press tare, shows Conf. press gross to show Conf. no., Press menu two (2) times to go back to zero.

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements, performance, and compliance with influence factors. The indicator 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 for Class III, multiple range and multi- interval testing. Also, 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 85 VAC and 264 VAC, 5.2 VDC and 7.9 VDC.

Evaluated By: M. Kelley (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2019 Edition. *NCWM Publication 14 Weighing Devices*, 2018 Edition.

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

Information Reviewed By: J. Truex

Examples of Device:



882IS



882IS Plus