



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: iQUBE3
 n_{\max} : 10 000
Accuracy Class: III / III L

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/ Summing Capabilities
- (120 to 240) VAC
- (12 to 24) VDC
- lb, kg, t, T, oz, g
- Remote Printer Capability
- RS232 / RS422 / RS485 Communication Port
- Ethernet/ wireless Communication
- Plastic housing
- stainless-steel housing
- Category 1 (physical seal), (Audit trail)
- Digital Controller Element

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.

Marc Paquette
Chair, NCWM, Inc.

Gene Robertson
Chair, NTEP Committee
Issued: April 24, 2025

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**Rice Lake Weighing Systems**

Indicating Element / iQUBE3

Application: General purpose indicating element/ Junction Box for use with any NTEP certified and compatible indicating element or remote display.

Identification: The required information appears on a self-destructive label that reads “VOID” when peeled on lid of the junction box.

Sealing: The model iQUBE3 has a category 1 physical lead and wire seal that is threaded through 2 holes in the lid and 2 holes in the box preventing removal of the lid to access configuration/calibration jumper located on the board inside. The device also has an audit trail that can be accessed through the NTEP certified and compatible indicating element or remote display indicator being used with the device.

Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements, performance, and compliance with influence factors. The iQUBE3 was interfaced with a model 1280 enterprise (NTEP CC 15-001) indicating 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. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). Tests were conducted using 102 VAC to 264 VAC and 7.3 VDC to 39.6 VDC. The device was also tested for multi-channel and summing capabilities.

Evaluated By: J. Coffey (OH) 25-041 (CN11304)

Type Evaluation Criteria Used: *NIST 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) 25-041

Example of Device:**Poly Encloser**



Rice Lake Weighing Systems

Indicating Element / iQUBE3

Stainless Steel Encloser

