



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: IND256x, IND256xx
 $n_{\max}$: 10 000
Accuracy Class: III / IIIL

Submitted By:

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Standard Features and Options

- Semi-Automatic (push button) Zero Setting Mechanism
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (push button) Tare
- Gross/Net Display
- Multiple Range Capability
- Multi-Interval Capability
- 10 VDC Battery Supply
- Unit Switching (lb, oz, kg, g, t, ton)
- Power Save
- RS232
- Bluetooth Capability
- Remote Printer Capability
- Analog Platform Scale Inputs

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.

Gene Robertson
Chair, NCWM, Inc.

Mahesh Albuquerque
Chair, NTEP Committee
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Mettler-Toledo, LLC
Indicating Element / IND256x, IND256xx

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 back of the indicator. The capacity x division statement is on the metrology line section of the display.

Sealing: This device uses a wire seal threaded through a screw heads on the enclosure which prevents removal of the cover eliminating access to calibration and configuration parameters.

Test Conditions: This Certificate supersedes Certificate of Conformance 18-099 and is issued to include model IND256xx. Model IND256xx is a downgrade of Zone for Ex proof application. The IND256xx is metrology equivalent to existing model IND256x. Based on information supplied from the manufacturer, no further testing was deemed necessary. Previous test conditions are listed below for reference.

Certificate of Conformance 18-099: 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 PBA430 (Certificate of Conformance 06-067) Class III approved 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 performance test, 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 6 VDC and 11 VDC.

Evaluated By: J. Gibson (OH) 18-099, J. Gibson (NCWM) 18-099A1 (CN 11023)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 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 (NCWM)18-099, D. Flocken 18-099A1

Example of Device:

