



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Indicating Element  
Digital Electronic  
Model: IND360  
 $n_{\max}$ : 10 000  
Accuracy Class: III / III L

**Submitted By:**

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**Standard Features and Options****Standard Features:**

- Semi-Automatic (push-button) Zero Setting Mechanism (SAZSM)
- Semi-Automatic (push-button) Tare
- Initial Zero Setting Mechanism (IZSM)
- RS485
- Modbus
- Profibus
- CANbus
- Analog Out
- Digital I/O
- Ethernet
- 4-20 mA
- AC/DC Power Supply
- 24 VDC Terminal Block
- Analog or Digital scale inputs
- Display options OLED or LCD
- Available units: kg, g, lb, (t), ton

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.

Hal Prince  
Chairman, NCWM, Inc.

Craig VanBuren  
Committee Chair, National Type Evaluation Program Committee  
Issued: January 18, 2021

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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**Mettler-Toledo, LLC**  
Indicating Element / IND360

**Application:** General purpose indicating element for use with approved and compatible weighing/load receiving element.

**Identification:** The required information appears on a label on the side of the indicator.

**Sealing:** The DIN Rail and Panel Mount versions are sealed using a self-destructive seal placed over the opening preventing access to the DIP switch and another self-destructive seal over the seam between the cover and housing. The Harsh enclosure version is sealed using a physical wire threaded through bolt heads or a self-destructive seal placed over a sleeve and screw preventing access to the DIP switch.

**Test Conditions:** The emphasis of the evaluation was on device design, marking, operation, performance, and compliance with influence factors. Three Model IND360 indicating elements (Harsh, Panel Mount and DIN Rail) were submitted for evaluation. The IND360 indicator was interfaced to a model PBA426 weighing/load receiving element (Certificate of Conformance 10-049) to verify compliance with zero, zone of uncertainty, and motion detection requirements. Additionally, the IND360 were interfaced to a load cell simulator to perform several increasing / decreasing tests, warm-up test and power interrupt test. Temperature tests were performed over a range of -10 °C to 40 °C (14 °F to 104 °F). The IND360 was interfaced to a digital load cell simulator to perform several increasing / decreasing tests and voltage variation test.

**Evaluated By:** J. Gibson (OH), M. Kelley (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, 2020 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)

**Examples of Device:**



DIN Rail



Panel Mount

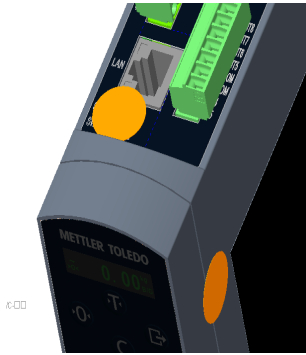


Harsh Enclosure

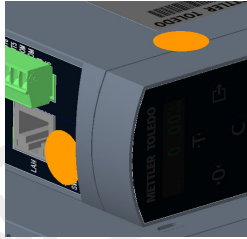


**Mettler-Toledo, LLC**  
Indicating Element / IND360

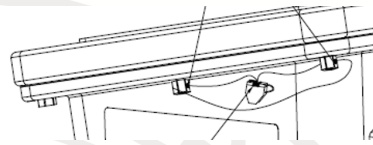
**Sealing Method:**



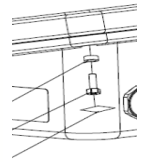
DIN Rail



Panel Mount



Harsh Enclosure



OR

