



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element

Digital Electronic

Model: IND570

 $n_{\max}$: 10 000 (Class III/IIIL); 100 000 (Class II)

Accuracy Class: II/III/IIIL

Submitted By:

Mettler-Toledo, LLC

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Contact: Scott Davidson

Email: scott.davidson@mt.comWeb site: www.mt.com**Standard Features and Options**

- Semi-Automatic (push-button) Zero Setting Mechanism (SAZSM)
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (push-button) Tare
- Keyboard Tare
- Unit Switching (kg, g, t, lb, oz, ton, dwt, ozt)
- Gross/Net/Tare Display
- Alphanumeric Display
- Multi-Interval
- Multiple Range
- AC Power Supply
- AC/DC Adaptor
- RS-232 Port
- USB
- Remote Printer Capability
- IDNet (interfaced to compatible IDNet devices)
- Intrinsic Safe Barrier, Model ISB
- Analog or Digital Platform Scale Inputs

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.

John Gaccione
Chairman, NCWM, Inc.

Stephen Benjamin
Chairman, National Type Evaluation Program Committee
Issued: December 13, 2013

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**Mettler-Toledo, LLC**

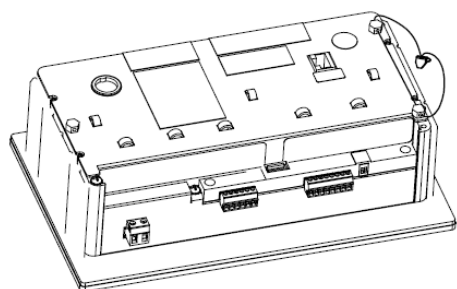
Indicating Element / IND570

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

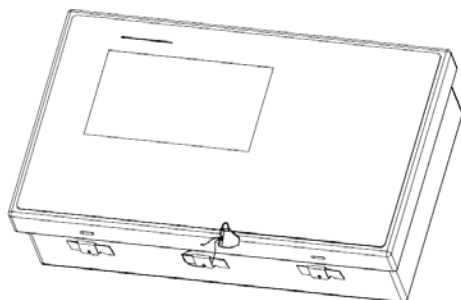
Identification: The required information appears on a self-destructive label on the back of the indicator. The capacity x division statement and capacity in all weight ranges are on the weight display.

Sealing: The metrological parameters are sealed using a physical wire seal.

The Panel Mount version is sealed with a wire threaded through bolts at a distance such that the seal will be broken when an attempt is made to unscrew the bolts.



The Desk / Harsh enclosure is sealed by passing the wire through a hole in the center of the cover and then through a hole in a tab on the bottom of the housing.



Access to metrological features will be denied when the device is set to Type Approved:

- To verify type approval press the info icon "i" then press the metrology icon "M"
- The statement "Approved: Yes" will be displayed if the device is in the sealed legal for trade or
- The statement "Approved: No" will be displayed if the device is not sealed legal for trade
- In either case, press the exit icon "X" two times to exit back to the weighing mode

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Test Conditions: The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factors. The indicator was interfaced with a KA series (Certificate of Conformance Number 00-075A1) Class II 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 Class III, multi-interval and multiple range testing; 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 100 VAC and 240 VAC.

Evaluated By: J. Morrison (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2013 Edition. *NCWM Publication 14 Weighing Devices*, 2013 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)

Examples of Device: