



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: IT2000M & IT3000M
 $n_{\max}$: 10 000
Accuracy Class: III/IIIL
Version: IT2000M (4.10.8 or higher)
IT3000M (1.36 or higher)

Submitted By: Contact Info. Updated December 2025

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Standard Features and Options**Standard Features**

- Semi-Automatic (Push-Button) Zero
- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Gross/Tare/Net Display
- Alphanumeric Display
- Integral Weight Display (IT2000M can be detached)
- Center of Zero Light
- Sleep Mode (IT3000M) only
- Multiple Scale Interfaces (2) IT3000M only
- Semi-Automatic Tare (Platter)
- Programmable Tare with PLU
- Linearity Calibration Points
- Keyboard Tare
- RS232/USB
- Weigh In/Weigh Out Feature
- Liquid Crystal Display

Optional Features

- Battery Power Supply
- Ethernet, EtherNET/IP, Profinet, ProfiBus, RS422, RS485

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.

Jerry Buendel
Chairman, NCWM, Inc.

Ronald Hayes
Committee Chair, National Type Evaluation Program Committee
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SysTec Systemtechnik und Industrieautomation GmbH
Indicating Element / IT2000M & IT3000M

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

Identification: A self-destructive identification badge is used and “Void” is displayed if removed.

Sealing: A Category 1 physical seal is required. This indicating element has the ability to be remotely configured (Category 2) but requires a physical seal. Security method:

IT2000M: Access to the calibration switch is restricted by a single physical seal on the front of the device consisting of a wire passing through two drilled-head screws that prevents the removal of a metal plate covering the calibration switch. The housing is also sealed with a wire passing through two drilled-head screws that prevent its removal.

IT3000M-x: Access to the calibration jumper is restricted by a single physical seal on the back of the device consisting of a wire passing through two drilled-head screws that prevents the separation of the housing.

When in calibration mode, normal weighing operation is not possible.

Test Conditions: This device was submitted to and evaluated by Measurement Canada under the U.S. and Canadian MRA. The technical data was reviewed by the Maryland NTEP laboratory for compliance with Publication 14 and N.I.S.T Handbook 44 requirements. The emphasis of the evaluation was on device design, operation, performance, and compliance with influence factor requirements. All required tests were performed.

Evaluated By: E.A.Payne, Jr. (MD)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices, 2015 Edition. NCWM Publication 14 Weighing Devices, 2015 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:





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