



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element

Digital Electronic

Model: IT1-AC, IT1-DC, IT1-BATT,
IT3-AC, IT3-DC & IT3-BATT $n_{\max}$: 10,000

Accuracy Class III, III L

Submitted By: Contact Info. Updated December 2025

SysTec Systemtechnik und Industrieautomation GmbH

Ludwig-Erhard-Str. 6

Bergheim, Germany 50129

Tel: 00492238966366

Contact: Julia Ciecko

Email: ciecko@systecnet.comWeb site: www.systecnet.com**Standard Features and Options**

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Gross/Tare/Net Display
- Center of Zero Annunciator
- Unit Conversion (lb, kg, g, t)
- Multiple Tare Memories
- Programmable Tare
- Semi-Automatic Tare (Push Button)
- Keyboard Tare (IT3 only)
- Weigh in / Weigh Out (IT3 only)
- Multi Interval/Multi Range
- Multi Deck (IT3 only)
- Summing
- AC Power (110 V-240 V)
- DC Power (12 V-30 V)
- Auto Shut Off
- TFT Display
- Alpha Numeric Display
- Fieldbus Communication (IT3 only), Ethernet / Wireless Communication
- RS-232, RS 422, RS 485, USB Communication Ports
- Analogue-IO, Digital-IO
- Linearity Calibration Points
- Integral or detached weight display

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.

James Cassidy

Chairman, NCWM, Inc.

Kristin Macey

Committee Chair, National Type Evaluation Program Committee

Issued: March 30, 2018

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) does not approve, recommend or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

**SysTec GmbH**

Indicating Element / IT1-AC, IT1-DC, IT1-BATT, IT3-AC, IT3-Dc & IT3-BATT

Application: A general-purpose indicating element to be interfaced with an NTEP certified and compatible weighing element.

Identification: The required making information is located on the top or at the side of the device. Labels for capacity, division, CLC (concentrated load capacity; if required), and section capacity (if required) will be identified on an adhesive label. The label will self-destruct when removed.

Sealing: A wire security seal is threaded through two screws located on the back of the unit.

Test Conditions: This Certificate supersedes Certificate of Conformance 17-115 and is issued to add the IT3-X models to the certification. A model IT3-AC was submitted for this evaluation. This device was submitted to and evaluated by Measurement Canada under the U.S. and Canadian MRA. The technical data was reviewed by the New York 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, and compliance with environmental factors. Both models were interfaced with a load cell simulator and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The devices were tested with 94 VAC and 264 VAC as well as 8.5 VDC and 30 VDC power supplies. Previous test conditions are listed below for reference.

Certificate of Conformance 17-115: The models submitted for this evaluation were a IT1-AC and a IT1-DC. These devices were submitted to and evaluated by Measurement Canada under the U.S. and Canadian MRA. The technical data was reviewed by the New York 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, and compliance with environmental factors. Both models were interfaced with a load cell simulator and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The devices were tested with 94 VAC and 264 VAC as well as 8.5 VDC and 30 VDC power supplies.

Evaluated By: S. Mousaw (MC), R. Henshaw (MC) 17-115A1; E. Morabito (NY) 17-115, 17-115A1

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*, 2017 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:

**Model IT1-X****Model IT3-X****Method of Sealing IT1-X****Method of Sealing IT1-X**