



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Electronic, Non-Computing
Model: DD1010, DD1010i, and DD1010ic, DD1010 Skynet,
DD1010ic Skynet, DD1010i Skynet
 $n_{\max}$: 10 000

Accuracy Class: III / III L

Submitted By:

B-TEK Scales, LLC
1510 Metric Avenue, S.W.
Canton, OH 44706
Tel: 800-266-8900
Fax: 330-471-8909
Contact: Bryan Carlton
Email: bcarlton@BScales.com
Web site: www.b-tek.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
- Remote Calibration and Configuration
- Multi-deck (Multi-channel) Capability
- Keyboard Tare
- Multiple Tare Memories
- Programmable Tare
- AC or DC Power
- Gross/Net Display
- TFT Color Display
- Motion Detection
- Truck I/O with Database Sharing
- Input / Output Relays
- Multiple USB ports
- RS-232 / RS-422 / RS-485 Communications
- Linear Calibration Points (4)
- Touch Screen
- Digital or analog loadcell input
- Ethernet TCP/IP
- Unit Selection (kg, g, lb, oz, t, tn)
- HDMI output
- 4-20 mA Loop
- External printer
- Dual RS-232 / RS-422

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.

Mahesh Albuquerque
Chair, NCWM, Inc.

Ivan Hankins
Chair, NTEP Committee
Issued: June 1, 2023

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.

**B-TEK Scales, LLC**

Indicating Element / DD1010, DD1010i, DD1010ic and Skynet

Application: General purpose indicating element when connected to an NTEP certified and compatible weighing / load-receiving element.

Identification: The self-destructive identification badge may be found on the top of the indicating element.

Sealing: The indicator has an adhesive label or wire seal on the back/bottom of the device covering the calibration switch access hole for the DD1010 and DD 1010ic, the DD1010i stainless-steel housing uses a wire security seal thru two drilled head screws on the front of the housing preventing access to the calibration switch. Plus, all three models have a Category 3 audit trail. The Skynet models will use the same sealing methods.

To access the event logger:

- 1) Enter the setup window (folder on the main screen), or Press and hold the scale name button for 5 seconds (A or B)
- 2) From there open the event logger (select metro only)
- 3) Select the option to view or print the list

Test Conditions: This certificate supersedes the certificate of conformance 14-010 and is issued to add a new microprocessor and additional communication ports (HDMI, USB). Two B-TEK Scales LLC indicating elements in plastic and stainless steel were submitted for evaluation. Linearity testing with a load cell simulator at ambient temperature was performed to verify changing the microprocessor didn't alter the metrological integrity of the indicating element. The added communication and audio/Visual ports were verified. Previous test conditions are below for reference.

Certificate of Conformance 14-010: The Model(s) DD1010, DD1010i, and DD1010ic digital weight indicators were submitted for this evaluation. The emphasis of this evaluation was on device design, operation, performance and compliance with influence factor requirements. The model DD1010 (plastic housing), and model DD1010i (SS housing) indicators 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 indicators were interfaced with a weighing/ load-receiving element, B-TEK BT-1212-100-cs-sp (NTEP CC 96-169), and a printer. The device was tested for discrimination, power interruption, zero tests, and print format. Additionally, the device was tested with a supply voltage of 110 VAC to 240 VAC.

Evaluated By: T. Buck (OH) J.Gibson (OH) 14-010A1 (CN 10811)

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: J. Truex (NCWM), D. Flocken (NCWM) 14-010A1

Examples of Devices:



B-TEK Scales, LLC

Indicating Element / DD1010, DD1010i, DD1010ic and Skynet



DD1010



DD1010i and DD1010ic

Skynet Weight Display

