



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: DD1050, DD1050i, DD2050, DD1050i Skynet and
DD1050ic Skynet
 $n_{\max}$: 10 000
Accuracy Class: III / III L

Submitted By:

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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
- LED Display
- Motion Detection
- Truck weigh-In / Weigh-Out with Database Sharing
- Sleep Mode
- Multiple USB ports
- RS-232 / RS-422 / RS-485 Communications
- Linear Calibration Points (4)
- Touch Screen
- Remote Calibration and Configuration
- Unit Selection (kg, g, lb, oz, t, tn)
- HDMI output
- 4-20 mA Loop
- External printer
- Dual RS-232 / RS-422

Note: HDMI is listed on Model DD1050ic Skynet only.

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
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**B-TEK Scales, LLC**

Indicating Element / DD1050, DD1050i, DD2050, DD1050i Skynet and DD1050ic 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 DD1050, and DD1050i Skynet indicators have an adhesive label or wire seal on the rear of the instrument covering the calibration switch access hole, and an adhesive label on the component side of the main board or wire seal on the front panel of the instrument covering the calibration switch access hole for the DD1050i, DD1050i Skynet, and DD2050. The DD1050ic Skynet adhesive label or wire seal cover is located on the bottom of the enclosure. Plus, all models have a Category 3 audit trail.

To access the event logger:

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

Test Conditions: This certificate supersedes the certificate of conformance 13-055 and is issued to add Models DD1050i Skynet and DD1050ic Skynet digital weight indicators. The emphasis was on device design, operation, performance, and compliance with influence factor requirements. The two indicators were interfaced with load cell simulators and scales to test increasing and decreasing linearity load tests and discrimination. The device was tested at -10 °C to 40 °C (14 °F to 104 °F). HDMI and printing capability were also tested. Previous test conditions are listed below.

Certificate of Conformance 13-055: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The Model(s) DD1050, DD1050i, and DD2050 digital weight indicators were submitted for this evaluation. This evaluation emphasized device design, operation, performance, and compliance with influence factor requirements. The 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, Tscale PB4252, 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: C. Harris (OH), 13-055; B. Stone (OH), 13-055A1 (CN 10810)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2022 Edition. *NCWM Publication 14 Weighing Devices*, 2022 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), 13-055; D. Flocken (NCWM) 13-055A1

Examples of Devices:



B-TEK Scales, LLC

Indicating Element / DD1050, DD1050i, DD2050, DD1050i Skynet and DD1050ic Skynet





B-TEK Scales, LLC

Indicating Element / DD1050, DD1050i, DD2050, DD1050i Skynet and DD1050ic Skynet

