



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic, Non-Computing
Model: DD 700, DD 700i, DD 700ic and DD 700PM
 $n_{\max}$: 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
- Keyboard / Programmable Tare
- Multiple Tare Memories
- AC Power
- Gross/Net Display
- TFT Color Display
- Motion Detection
- Unit Selection (kg, g, lb, oz, t)
- Linear Calibration Points (2)
- Multi-deck (Multi-channel) Capability
- Multiple Range / Multi-Interval
- 2 Selectable RS-232 or RS-422 Communications Ports
- USB / Serial Port

Optional Features

- 4-20 mA Loop
- Generic Printer
- Weigh-In / Weigh-Out
- Weight Accumulation

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
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**B-TEK Scales, LLC**

Indicating Element / DD700, DD700i & DD700ic

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: For models DD700 and DD700ic access to the set-up/calibration switch can be secured with a wire seal threaded through two drilled head screws on the back on the indicator. For model DD700i access to the setup/calibration switch can be secured with a wire seal threaded through two drilled head screws located on the faceplate of the indicator.

Test Conditions: This certificate is issued based upon the following tests and upon information provided by the manufacturer. The Model(s) DD700, DD700i, and DD700ic analog / digital weight indicators were submitted for this evaluation. This evaluation emphasized device design, operation, performance, and compliance with influence factor requirements. The model DD700 (plastic housing), and model DD700ic (SS housing) indicators were interfaced with analog & digital load cell simulators and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The DD700i was interfaced with a load-receiving element, B-TEK BT-1212-100-cs-sp (NTEP CC 96-169), and a printer. The device was tested for the zone of uncertainty, power interruption, zero tests, and print format. Additionally, the device was tested with a supply voltage of 100 VAC to 240 VAC.

Evaluated By: J. Morrison (OH) (CN 10812)

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 Devices:**DD 700 (plastic)****DD 700i (stainless steel)**



B-TEK Scales, LLC
Indicating Element / DD700, DD700i & DD700ic



DD 700ic (stainless steel)



DD 700PM (Panel Mount)