



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Computing Scale
Digital Electronic
Model: DL10XX(Y)(P)
 n_{\max} : 3000
 e_{\min} : 0.01 lb / 0.005 kg
Capacity: 30 lb / 15 kg to 60 lb / 30 kg
Accuracy Class: III

Submitted By:

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Standard Features and Options

- The "XX" in the model number designation indicates capacity in pounds
- The "Y" in the model number is an optional designation of lb or kg: If Y = 1 it is kg, if Y = blank it is lb.
- The "P" in the model number designation is an optional suffix that designates "Pole-Mounted Display":
- "P" = (blank): Display is located in main housing
- Automatic Zero Tracking (AZT)
- Semi-Automatic (push button) Zero Setting Mechanism (SAZSM)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic (push button) Tare
- Keyboard Tare
- Dual LCD Display (Either Pole Mounted or in Main Housing)
- Integral Printer
- AC Power (110 VAC to 220 VAC)
- Communication Ports (RS-232, USB, Ethernet)

Load Cells: Gromy Industrial Co, LTD. 15 kg and 30 kg models.

Temperature range: 0 °C to 40 °C (32 °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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Detecto Scale Company
Computing Scale / DL10XX(Y)(P)

Application: General purpose computing scale for price computing and general weighing.

Identification: The self-destructing adhesive identification label is located on the left side of the unit.

Sealing: Two fasteners for a wire seal secure the access panel that is located on the bottom of the unit. An additional wire seal runs through a tab that prevents the housing from being separated.

Test Conditions: The emphasis of this evaluation was on the device design, operation, marking requirements, performance, and compliance with influence factor requirements. The Model DL1030P was submitted for evaluation. Several increasing/decreasing tests and a shift and discrimination zone of uncertainty test were performed. The scale was tested over a temperature range of 0 °C to 40 °C (32 °F to 104 °F). A suitability of level indicator test, and warm up test was also performed. The scale was tested at 94 VAC and 242 VAC. A load of approximately ½ of the scale capacity was applied to the scale over 100 000 times. The scale was tested periodically during this time.

Evaluated By: M. Kelley, T Buck (OH)

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:



Pole Mounted Display



Display Mounted in Main Housing



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Customer Display in Main Housing



Sealing Access Panel on Bottom

