

***National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices***

For:

Non-Computing Scale, Counter/Bench
Model: DL Series
Capacity: See table below
Platform Size: 395x520mm
Accuracy Class: III

Submitted by:

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Standard Features and Options

Semi-automatic (push-button) zero
Initial zero setting mechanism (IZSM)
Automatic zero tracking (AZT)
Semi-automatic tare (push-button)
Battery saving feature (auto shut-off)
Battery power supply

Units lb/kg conversion (push-button)
RS-232 Communication port
AC/DC adapter
Liquid crystal display
RS-232 communication

Model	Capacity x d in lb	Capacity x d in kg	n _{max}
DL-150	150 x 0.05	60 x 0.02	3000
DL-200	200 x 0.1	100 x 0.050	2000
DL-300	300 x 0.1	150 x 0.05	3000

Load cell used: CAS OPT-60L -60kg, CAS OPT-100L -100kg, CAS OPT-150L -150 kg (non-NTEP)

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of 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.



Judith L. Cardin
Chair, NCWM, Inc.



Don Onwiler
Chairman, National Type Evaluation Program Committee

Issue date: April 5, 2008

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**CAS Corporation
Non-Computing Scale
Model: DL Series**

Application: General purpose weighing.

Identification: The identification badge is riveted to the rear of the indicator support column.

Sealing: The device is sealed on the rear of the display by means of a wire security seal threaded through two thumb screws with holes in them. This prevents access to the calibration switch inside.

Test Conditions: The models DL-150 and DL-300 were submitted for this evaluation. The emphasis of the evaluation was on device design, performance, marking, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were conducted. The Model DL-150 (150 lb capacity) and DL-300 (300 lb capacity) was tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the device over 100 000 times. The device was tested periodically during this time. Additionally, the devices were tested over a voltage range of 100 VAC and 130 VAC and 5.7 to 9.9 VDC power supplies.

Evaluated By: Sonia Muñoz (CA)

Type Evaluation Criteria Used: NCWM Publication 14, 2008 Edition; NIST Handbook 44, 2008 Edition

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

Information Reviewed By: S. Patoray, L. Bernetich (NCWM)

Model DL-150



Back View



Model DL-300

