

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

**For:**

Hanging Scale  
Mechanical Dial  
Model: LT Series  
 $n_{\max}$ : 500  
 $e_{\min}$ : See Below  
Capacity: See Below  
Platform: See Below  
Accuracy Class: III

**Submitted by:**

Detecto Scale Company  
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**Standard Features and Options**

- Single revolution dial
- Single face

Capacities		
5 kg x 10 g*	10 lb x 0.02 lb	15 lb 10 oz x 1/2 oz*
10 kg x 20 g	25 lb x 0.05 lb	31 lb 4 oz x 1 oz*
25 kg x 50 g	50 lb x 0.1 lb	
50 kg x 100 g*	100 lb x 0.2 lb	
*Scales submitted for evaluation		

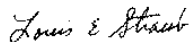
**Platter Options:**

- 11" x 8" oblong stainless steel pan with arm (up to 5 kg only)
- 12" diameter stainless steel pan with chains (up to 25 kg only)
- 18.5" x 13.5" oblong stainless steel pan with chains (up to 50 kg only)
- Bottom hook for the attachment of bulk commodities

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.

Effective Date: March 29, 2000



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee

Issued Date: April 6, 2000

Note: The National Conference on Weights and Measures 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.

This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

**Detecto Scale Company**  
**Hanging Scale**  
**Model: LT Series**

**Application:** For general purpose weighing of dry commodities where the division value is appropriate. The scale should be used in applications where the minimum load is greater than 20 divisions.

**Identification:** The identification information is located on the face of the dial.

**Sealing:** The scale can be sealed by placing a pressure sensitive security seal over the seams of the back cover and the face glass.

**Operation:** The zero adjusting mechanism is on the back of the device and is identified as "ADJUST". An Allen wrench (a hollow set screw wrench) or a similar device is required to make the adjustment.

**Test Conditions:** This Certificate is issued without additional testing to add capacities that were inadvertently omitted from the original certificate. Previous test conditions, including those for the inadvertently omitted capacities, are listed below for reference.

**Certificate of Conformance Number 00-018:** This Certificate is issued based on the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on the device design, marking, and compliance with influence factors requirements. The 5-kg and the 50-kg models were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was placed on the device 100 000 times. Increasing/decreasing load and shift tests were conducted periodically during this time. The design, marking, and accuracy of the 5-kg capacity scale was evaluated.

Additionally, the 31 lb 4 oz x 1 oz and the 15 lb 10 oz x 1/2 oz models were also submitted for evaluation. The emphasis of these evaluations was on the device design, marking, and accuracy requirements. Increasing/decreasing and shift tests were conducted.

The results of these evaluations indicate the devices comply with applicable requirements of NIST Handbook 44.

**Type Evaluation Criteria Used:** NIST Handbook 44, 2000 Edition

**Tested By:** A. P. Buié (MD)

**Information Reviewed By:** L. Sebring (NIST) and G. Newrock (NIST) 00-018; L. Sebring (NIST) 00-018A1