National Conference on Weights and Measures

15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

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

For:
Indicating Element
Digital Electronic
Model: 758C
n_{max}: 5 000

Accuracy Class: III

Submitted by:
Detecto Scale Company, a Division of
Cardinal Scale Manufacturing Company
203 East Daugherty St.
Webb City, MO 64870
Tel: (417) 673-4631
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Contact: Stephen Langford
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Standard Features and Options

AC or Battery Power
Auto Shut Off Feature
Selectable Sleep Mode
Semi-automatic Tare Feature
RS232 Communication Port
13 mm High LCD Weight and Body Mass Index Display: Body Mass Index not evaluated
9.5 mm High LCD Height Display: Not evaluated
Motion detection
Center of Zero Annunciator
Gross / Net Display
Body Mass Index Calculation: Not evaluated
Selectable Units (Pounds, Kilograms, Ounces, Grams)
Selectable Filtering
19-Key Membrane Keyboard
Display Lock Feature: Not "Legal For Trade"

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

Mike Cleary
Chairman, NCWM, Inc.

Don Onwiler
Chairman, National Type Evaluation Program Committee

Issue date: December 6, 2006

Detecto Scale Company, a Division
of Cardinal Scale Manufacturing Company
Indicating Element
Model: 758C

Application: General purpose indicating element when connected to a certified and compatible load receiving element.

Identification: The self-destructive identification label for the Model 758C is located on the rear panel of the enclosure.

Sealing: Provisions for lead-wire security seals to be applied to a metal tab beneath the end cap retaining screws.

Test Conditions: The Model 758C was submitted for the purpose of this evaluation. The emphasis of the evaluation was on device design, marking requirements, operation, and compliance with influence factor requirements. The indicator was interfaced with a Cardinal Model 1250 LPAN (NTEP CC 89-030A2) weighing element and a printer. The device was tested for discrimination, power interruption, zero tests, and print format. Tests were also performed with line voltages of 100 VAC and 130 VAC and battery voltages of 5.8 VDC to 9 VDC. The indicator was interfaced with a load cell simulator and several increasing/return to zero tests were performed. Accuracy tests were conducted over a temperature range of -10°C to 40°C (14°F to 104°F).

Type Evaluation Criteria Used: NIST Handbook 44, 2006 Edition; NCWM Publication 14, 2006 Edition

Evaluated By: M. Kelley (OH), S. Brenstuhl(OH), J. Morrison(OH)

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)

Example of Device: