



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Hanging Scale
 Digital Electronic Scale
 Models: SCS Family (see table below)
 n_{max} : 1500 to 3000
 e_{min} : 0.02 lb / 0.01 kg, 0.01 lb / 0.005 kg
 Capacity: 15 lb / 7 kg to 30 lb / 15 kg (see table below)
 Platform: Stainless steel pan 13.5in. diameter.
 Accuracy Class: III

Submitted By:

Detecto Scale Company
 203 East Daugherty St.
 Webb City, MO 64870
 Tel: (417) 673-4631
 Fax: (417) 673-5001
 Contact: Eric Golden
 Email: egolden@cardet.com
 Website: www.cardet.com

Standard Features and Options

- Automatic Zero Tracking (AZT)
- Semi-Automatic (pushbutton) Zero Setting Mechanism (SAZSM)
- Unit Conversion (lb/kg) (press and hold Zero button for 5 seconds)
- Solar Powered
- Low Light Status Indication
- LCD Display
- Category 1 Physical Seals
- Optional QR code display screen

Model	Capacity	QR Code Screen
SCS15	15 lb / 7 kg	No
SCS15QR	15 lb / 7 kg	Yes
SCS30	30 lb / 15kg	No
SCS30QR	30 lb / 15kg	Yes
SCS31	30 lb / 15kg	No
SCS31QR	30 lb / 15kg	Yes

Load Cell: Zemic Model L6D-R1 20 kg capacity single point load cell (NTEP CC 11-012) or NTEP certified metrological equivalent.

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.

James Cassidy

Chairman, NCWM, Inc.

Kristin Macey

Committee Chair, National Type Evaluation Program Committee

Issued: February 26, 2018

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) 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.



Detecto Scale Company
Hanging Scale / SCS Family

Application: General purpose hanging scale.

Identification: A self-destructive identification label is located on the back side of the enclosure under the solar panel.

Sealing: Self-destructive security seals are applied over the access hole for the calibration switch and over at least one of the enclosure screws, preventing access to the inside of the unit and the calibration switch. The calibration switch seal is located on the bottom-left side of the enclosure facing the LCD display; the enclosure seal(s) are located on the rear of the unit.

Test Conditions: This Certificate supersedes Certificate of Conformance 15-009 and was issued to add a smaller d (0.01 lb & 0.005 kg) and to add a QR code display. The emphasis of this evaluation was on device design, operation, marking requirements, performance, and compliance with influence factors. A Model SCS30 15 x 0.005 kg Hanging scale with a QR code display was submitted for evaluation. Several increasing/decreasing load test and discrimination (zone of uncertainty) test were performed. Warm up and power interruption tests were also conducted. The scale was tested over a temperature range of 0 °C to 40 °C (32 °F to 104 °F). Previous test conditions are listed below for reference.

Certificate of Conformance Number 15-009: The emphasis of this evaluation was on device design, operation, marking requirements, performance, and compliance with influence factors. A Model SCS30 Hanging scale was submitted for evaluation. Several increasing/decreasing load test and discrimination (zone of uncertainty) test were performed. Warm up and power interruption tests were also conducted. The scale was tested over a temperature range of 0 °C to 40 °C (32 °F to 104 °F). Additionally a load of approximately one-half capacity was applied to the scale over 100 000 times. The scale was tested periodically during this time.

Evaluated By: J. Gibson (OH) 15-009; M. Kelley (OH) 15-009A1

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2018 Edition. *NCWM Publication 14 Weighing Devices*, 2017 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:



Model SCS30



Model SCS30QR