

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

For:
 Floor Scale
 Load Cell Electronic
 Model: * See Below
 n_{max} : 5 000 d
 e_{min} : 0.5 lb / 0.2 kg
 Platform size:* See Below
 Capacity: 2 000 lb to 10 000 lb
 Accuracy Class III

Submitted by:
 Weigh-Tronix
 1000 Armstrong Drive
 Fairmont, MN 56031
 Phone: (507) 238-4461
 Fax: (507) 238-8255
 Contact: Leon Lammers

Standard Features and Options

Brand	Models		Capacities	Platform size	Total platform area
Weigh-Tronix	DCSB	xyyy-02	2 000 lb	30 x 30 inches	3600 inches squared
or		xyyy-05	to	to	
Salter Brecknell	FCQS	xyyy-10	10 000 lb	60 x 60 inches	

The XX and YY in the Model designation indicate platform length and width, respectively, in inches. (Example= Weigh-Tronix model FCQS6060-10, or Salter Brecknell, model DCSB 3030-02.)

Deck material: Carbon steel or Stainless steel.

Indicating Element: Weigh-Tronix, Model 125 (Certificate of Conformance number 92-167A) or compatible NTEP approved equivalent.

Load cells: HBM, Model H35 (Certificate of Conformance number 90-030A) or compatible NTEP approved equivalent.

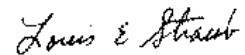
Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

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: April 23, 2002



Ronald D. Murdock
 Chairman, NCWM, Inc.



Louis E. Straub
 Chairman, National Type Evaluation Program Committee

Issue date: April 24, 2002

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.

Weigh-Tronix, Inc.
Floor Scale
Model: DCSB & FCQS Series

Application: General purpose weighing when attached to an approved compatible indicator.

Identification: On the DCSB carbon steel scales, the decal/clear overlay identification badge with the required information is located on the side of the platform. On the FCQS stainless steel scales, the metal identification badge with the required information is riveted to the side of the platform.

Sealing: Adjustable functions in the junction box can be secured by threading a wire seal through two drilled nuts on the junction box access cover.

Test Conditions: A 2000 lb x 0.5 lb (60 inch x 60 inch), Model DSCB and a 10 000 lb x 2 lb (60 inch x 60 inch), Model FCQS weighing element, each interfaced with a Weigh-Tronix Inc. Model 125 indicator (Certificate of Conformance number 92-167A), were submitted for evaluation. The emphasis of the evaluation was on the design, marking requirements and performance of the weighing element. The 2 000 lb x 0.5 lb, Model DSCB weighing element was tested using 2 000 lb of known test weight to perform increasing/decreasing loads and shift tests in the lab. Also, influence factor test from -10 °C to 40 °C (14 °F to 104 °F) was conducted on the 2 000 lb device in the lab. Permanence test of 100 030 weighments consisting of 500 lb was conducted on the 2 000 lb x 0.5 lb weighing element in the lab. Additional increasing/decreasing tests were conducted periodically during the test. A field evaluation was conducted on the 10 000 lb x 2 lb, Model FCQS at the manufacturers facility. Permanence test on the 10 000 lb device consisted of 300 weighments, using 5 000 lb of weight over a 20 day period. Additional increasing/decreasing tests were conducted after the permanence period using 10 000 lb of test weight by the State of Minnesota, Division of Weights& Measures.

The results of the evaluation indicate the device complies with the applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2002 Edition.

Tested By: T. Lucas (OH), R. Rigdon (MN)

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