

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

**For:**

Weighing Element  
Load Cell Electronic  
Models: 660-XXXXX-YY and SS660-XXXXX-YY\*  
 $n_{\max}$ : 5000;  $e_{\min}$ : See Below  
Capacity: 5000 lb x 1 lb to 20 000 x 5 lb  
Platform: 48" x 48" to 72" x 120" (max. 8640 sq. in.)

Accuracy Class: III

**Submitted by:**

Cambridge Scale Works  
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**Standard Features and Options**

\*Models covered by this Certificate are 660-XXXXX-YY where XXXXX represents the length and width in inches and YY represents the capacity in thousands of pounds.

Load cell: Revere/Transducer Model 5123-A5 (Certificate of Conformance Number 86-037A)

Four load cell construction  
Deck eye bolt holes  
Diamond plate steel deck

$e_{\min}$ : 1 lb for 5000-lb capacity scale (2.5K load cells)  
2 lb for 10 000 lb capacity scale (5K load cells)  
5 lb for 20 000 lb capacity scale (10K load cells)

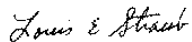
**Options:**

SS prefix designates 304 stainless steel construction	Top access leveling
Stainless steel load cells	Top access load cell junction box
Remote stainless steel N4 rated load cell junction box	Bumper guards
Base wash-out plate	Loading ramps
Pit installation brackets	Smooth deck

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: May 27, 1997



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee

Issue date: August 15, 1997

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.

**Cambridge Scale Works  
Weighing Element  
Models: 660-XXXXX-YY and  
SS660-XXXXX-YY Series**

**Application:** Floor scale for general purpose weighing, when used with an approved and compatible indicating element.

**Identification:** An identification plate is on the side of the weighing element next to the load cell junction box.

**Sealing:** Access to the load cell junction box can be sealed with a wire security seal. If a remote junction box is used, seal the cover of the remote box to the case using a wire security seal.

**Test Conditions:** This certificate supersedes Certificate of Conformance Number 96-157 and is issued to add additional weighing elements to the 660 Series. The Models 660-6060-10 (10 000 x 2 lb), and Model 660-72120-20 (20 000 x 5 lb) were submitted for evaluation. These weighing elements were interfaced to UMC 600 AAAC indicators (Certificate of Conformance Number 88-070A2). A series of four increasing/decreasing load and four corner/shift tests were conducted on each weighing element. A permanence test was conducted consisting of four increasing/decreasing load and four corner/shift tests after the scales were used for approximately 30 days and 300 weighments.

**Certificate of Conformance Number 96-157:** A 5000-lb capacity 48" x 48" weighing element was tested in the field. The weighing element was connected to a UMC 600 AAAC indicator (Certificate of Conformance Number 88-070A2). Four increasing/decreasing load tests and four corner/shift tests were conducted. A permanence test was conducted consisting of four increasing/decreasing load and four corner/shift tests after the element was used for approximately 30 days and 300 weighments.

The results of the tests indicate that the devices comply with applicable requirements.

**Type Evaluation Criteria Used:** NIST Handbook 44, 1997 Edition

**Tested By:** Bill Fishman (NY)