

**State of California**  
 Department of Food and Agriculture  
 Division of Measurement Standards

Certificate Number: 2726(b)-94  
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**California Type Evaluation Program**  
**Certificate of Approval**  
**For Weighing and Measuring Devices**

**For:**  
 Vehicle Scale Weighing/Load Receiving Element  
 Load Cell, Electronic  
 Model: XX T YYZZZ-RS Series\*  
 $n_{max}$ : 8,000  
 Capacity: 30 to 80 tons  
 Platform: See Below  
 CLC: 25 Ton

Accuracy Class: III L

**Submitted by:**  
 Airway Scale & Manufacturing Co., Inc.  
 1284 E. Lincoln St.  
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**Standard Features and Options**

Models:\*

| XX = Capacity | T | YY = Platform Width <sup>1</sup> | ZZZ = Platform Length <sup>1</sup> | RS |
|---------------|---|----------------------------------|------------------------------------|----|
| 30 to 80 tons |   | 12 Feet                          | 17 to 100 feet                     |    |
|               |   | 11 Feet                          | 18 to 110 feet                     |    |
|               |   | 10 Feet                          | 20 to 120 feet                     |    |

Installation must satisfy the relationship of  $v_{min} \leq d/\sqrt{N}$  where N = number of load cells and nominal capacity  $\leq$  CLC (N - 0.5) where N is the number of sections in the scale.

<sup>1</sup>Platform widths may vary from 10 to 12 feet and lengths may vary as long as the platform area does not exceed 1200 square feet.

Maximum Distance Between Sections: 28.5 feet

Deck Material: Concrete or steel

Load Cells Used: Superior Model AW 900B (Certificate of Approval Number 3462-90). Approved and metrologically equivalent load cells of the same size may be substituted for the referenced load cells.

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

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: September 14, 1994



Darrell A. Guensler  
 Chief, Division of Measurement Standards

**Airway Scales & Manufacturing Co., Inc.**  
**Vehicle Scale Weighing/Load-Receiving Element**  
**Model: XX T YYZZZ-RS Series**

**Application:** General highway vehicle use.

**Identification:** The identification plate is located on the load-receiving element near the load cell junction box.

**Sealing:** The load cell and section calibration adjustments are made at the load cell junction box. The junction box can be sealed with a security seal threaded through a hole in a flange on the junction box and a drilled head screw that secures the access door to the junction box. Provisions for sealing the overall calibration are provided by a compatible indicating element.

**Test Conditions:** This certificate supersedes Certificate of Approval Number 2726(a)-93 and is issued to add 11-foot platform widths and lengths contingent on meeting platform area requirements. The original test conditions are repeated below for reference.

**Certificate of Approval Number 2726(a)-93:**

This certificate was issued to include additional sizes, capacities, and a concentrated load capacity (CLC). This certificate is issued based upon information provided by the manufacturer without additional testing.

**Certificate of Approval Number 2726-86:**

The Model 60 T 1080-RS was submitted in 1985 for evaluation. The scale was tested initially using 20,000 to 40,000 lb of test weights located over each section and mid-section. Strain tests were conducted up to 99,100 lbs using 40,000 lb of test weights. Similar strain and section tests were performed approximately 50 days later. The results were within applicable tolerances.

**Type Evaluation Criteria Used:** California Code of Regulations, 1992 Edition

**Tested By:** National Institute of Standards and Technology Certificate of Conformance Number 93-101A1