For:
Vehicle Scale System Controller
Vehicle Scale Application
Model: Weighmaster Inventory Tracking System (ver 5.0)

Submitted by:
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Standard Features and Options
Motion detection and primary weight indications are provided by the certified primary weight indicator

Unit of measure: Pound only
Weigh-in/weigh-out capability
Multiple scale interface with scale identification
Vehicle customer and product ID
Weighmaster ticket printing system
Gross/tare/net weight displays
Supplemental volume units*

Minimum PC system requirements:
Operating system: Windows 95, Windows 98, Windows NT 4.0 or greater version
Program language: Visual C++
Hardware: Pentium processor, 166 MHZ, 16MB RAM

Operator display information:

<table>
<thead>
<tr>
<th>Minimum dimension of the weight display</th>
<th>Width</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 cm</td>
<td>1 cm</td>
</tr>
<tr>
<td>Minimum size of each digit</td>
<td>4 mm</td>
<td>8 mm</td>
</tr>
</tbody>
</table>

* Testing was limited to primary weight indications. Supplemental volumetric units are based on mass and API conversion factors.

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical 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 9, 1999

Barbara J. Bloch, Director
Application: Load out system when interfaced to a certified and compatible weighing and indicating element.

Identification: The identification information is continuously displayed on the top line of the operator’s display. Additionally, the same information may be displayed by selecting “Help” from the main menu and then selecting “About.”

Sealing: The system controller requires no provision for sealing and is protected by a password that is retained by the manufacturer. Provisions for sealing metrological parameters are provided by the certified weighing and indicating elements.

Operation: The system uses a vehicle scale to monitor delivery of petroleum products into vehicle mounted tanks. Using the system’s controller keyboard, the operator enters the vehicle information such as compartment number, product type, and number of gallons. The system converts the gallon data to weight data using Table 4 (pounds per U.S. gallon at 60 °F) of API petroleum measurement tables. When the required information is completed, the system allows the operator to start loading product. The system controller only accepts gross weights from the digital weight indicator. When the loading reaches the target weight, the system automatically stops. Weight information and specific weighing elements in use are automatically identified on the weight ticket and on the operator’s display. Manual weights can only be entered when communication between the controller and weighing/measuring elements are unavoidably lost. All manual weights are identified as Manual Weight on the weight ticket.

Test Conditions: The Model Weighmaster Inventory Tracking System (ver 5.0) was interfaced to a Mettler-Toledo Model Jaguar indicator (Certificate of Approval Number 4336-(a)-97), vehicle scale, and to the terminal of each loading rack lane. The emphasis of this evaluation was on the vehicle scale controller, operation, performance, marking requirements, and print format. Additionally, several weigh-in/weigh-out transactions were also examined. Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 1999 Edition

Tested By: Samuel Chan (CA)