



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Wheel Load Weigher / Analog / Silicone Transducer
Model: MD600L
 n_{max} : 400
Capacity: 20 000 x 50 lb (10 000 x 50 kg)
Platform: 19.25 in x 14.25 in
Accuracy Class: IIII

Submitted By:

General Electrodynamics Corp.
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Standard Features and Options

- Dial Weight Display
- Knob Zero Adjustment
- Silicone/Mechanical Transducer
- Magnifying Lens
- Roll Over Protected Dial
- 5 Point Boss System for Tire Alignment
- Non-Slip Base Design

Temperature Range: -10 °C to 40 °C (14 °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

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General Electrodynamics Corp.
Non-Computing Scale / MD600L

Application: For use in law enforcement as a wheel-load weigher.

Identification: The required marking information can be located on the dial face of the scale and on a metal ID plated riveted on the scale housing. See picture below.

Sealing: The scale can be sealed with a lead and wire seal threaded through a hole in a bolt and holes in the housing adjacent to the bolt. This seal will prevent the scale housing from being separated where calibration adjustments are made. See picture below.

Test Conditions: The emphasis of this evaluation was on the device design, operation, marking requirements, and performance. (3) 20 000 x 50 lb and (1) 10 000 x 50 kg scales were submitted and evaluated in the laboratory. A 12 in x 12 in x 1.5 in aluminum plate, was provided by manufacturer to distribute the load and simulate pneumatic tire loads, and was used in the evaluation. Several increasing test were performed with calibrated test weights and with a Morehouse proving ring. A scale was tested out of level up to and including 5% rise over run in four directions with 19 900 lb of known test weight. Two scales were tested in pairs using a proving ring up to 40 000 lbf. After laboratory performance testing, the scales were sealed, and shipped back to the manufacturer for permanence testing. When all of the permanence requirements were met, the scales were shipped back to the lab, and several increasing test were repeated with 19 900 lb of known test weights. This certificate is based upon data provided by the manufacturer and test data collected at room temperature in the Ohio NTEP/Metrology labs.

NOTE: This certificate is issued as a provisional NTEP Certificate of Conformance (CC). This evaluation is based on the current draft checklist, procedures and technical policy contained in NCWM Publication 14 for this Multiple Dimension Measuring Device type. When work on the NCWM Publication 14 section for this device is completed, the test report and this NTEP CC will be reviewed. If all current requirements have been met by this evaluation, the provisional status will be removed.

Evaluated By: T. Buck (OH)

Type Evaluation Criteria Used: *NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices, 2017 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 Device:



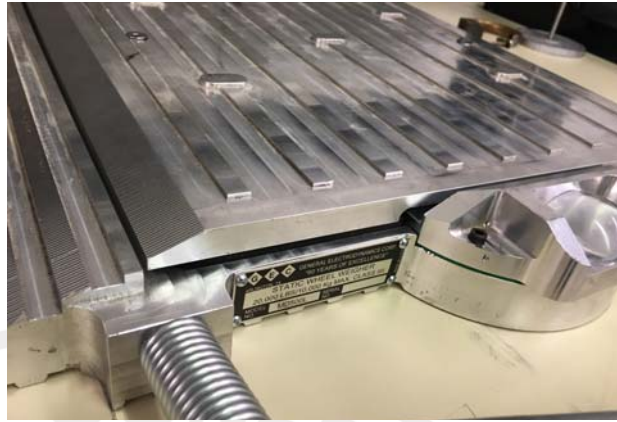
Product Image



Magnifying Lens



General Electrodynamics Corp.
Non-Computing Scale / MD600L



Sealing Method

ID Label Location

