



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Weighing / Load Receiving Element
Levertronic
Models: MA, MC MP and MPA Series
 n_{max} : 10 000
 e_{min} : 5 lb
Capacity: 15 ton to 200 ton
Platform Width: 10' to 14' / Platform Length: 8' to 100'
CLC: 40 000 lb to 100 000 lb
Accuracy Class: III L

***Submitted By: Contact Info. Updated January 2010**
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Standard Features and Options

* The specific models, lengths, widths, nominal capacities, and concentrated load capacities covered by this Certificate are listed below. The generic model number is CC LL MM WW D. The specific model designations are identified by:

Position CC Nominal Capacity	Position LL Length in Feet	Position MM Model Number	Position WW Width in Feet
1 = 15 ton		A = A Series Stationary Axle Load Scale	
2 = 20 ton		C = C Series Vehicle Scale, Pitless or Pit Installation	
3 = 30 ton		P = P Series Vehicle Scale, Pit Installation	
4 = 40 ton		PA = PA Series Portable Axle Load Scale	
5 = 50 ton			
6 = 60 ton			
7 = 75 ton			
8 = 80 ton			
10 = 100 ton			
15 = 150 ton			
20 = 200 ton			

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

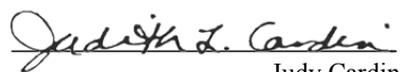
Optional Deck Material:

Concrete or Steel

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.


Randy Jennings
Chairman, NCWM, Inc.


Judith Cardin
Chairman, National Type Evaluation Program Committee
Issued: June 1, 2005

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Rice Lake Weighing Systems

Weighing/Load Receiving Element / MA, MC, MP and MPA Series

Application: General purpose vehicle weighing. The load receiving element may be interfaced with NTEP approved mechanical or digital electronic indicators.

Identification: The identification badge is located on the main transverse lever.

Device Description: The weighbridge is fabricated from heavy-duty steel. The levers are fabricated from heavy-duty pipe and structural steel suspension parts. The suspension system is a dual link design.

Test Conditions: This certificate is issued to indicate transfer of the NTEP Certificate of Conformance from Powell All-Steel Scales, Inc., Alabama to Rice Lake Weighing Systems. The NTEP Certificate of Conformance 99-208, though inactive, remains in effect to cover those devices previously sold and installed under the original name. Previous test information and documentation provided by the company was reviewed. The test conditions for the original type evaluation are listed below for reference.

Certificate of Conformance Number 99-208: This Certificate supersedes Certificate of Conformance Numbers 88-213, 88-214, and 88-215A1 and is issued to combine the model designations from Certificates of Conformance Numbers 88-213, 88-214, and 88-215A1. The original test conditions are repeated below for reference.

Certificate of Conformance Number 88-213: This Certificate superseded Certificate of Conformance Number 88-213PN and was issued without additional testing to upgrade the Certificate from a status of provisional to full. NTEP policy permits a pre-NTEP Certificate of Conformance to be upgraded from provisional to full provided no unfavorable comments are received during the comment period. Since no unfavorable comments were received on this device, this Certificate is issued as a full NTEP Certificate of Conformance.

Certificate of Conformance Number 88-213PN: These scales have received type approval by individual states prior to the establishment of the National Type Evaluation Program. These scales have been in commercial use for many years. Since these devices use mechanical lever systems, they are believed to be unaffected by the influence factors specified under T.N.8. of the Scales Code of NBS (currently NIST) Handbook 44. The NTEP policy and procedures permit NTEP to issue Certificates of Conformance based upon the approvals granted by pre-NTEP jurisdictions. This Certificate was issued on this basis without formal NTEP testing. Since this Certificate was issued as a pre-NTEP Certificate, the performance of the scale when tested to the concentrated load capacity declared by the manufacturer has not been verified through actual testing.

Certificate of Conformance Number 88-214: This Certificate superseded Certificate of Conformance Number 88-214PN and was issued without additional testing to upgrade the Certificate from a status of provisional to full. NTEP policy permits a pre-NTEP Certificate of Conformance to be upgraded from provisional to full provided no unfavorable comments are received during the comment period. Since no unfavorable comments were received on this device, this Certificate is issued as a full NTEP Certificate of Conformance.

Certificate of Conformance Number 88-214PN: These scales have received type approval by individual states before the establishment of the National Type Evaluation Program. These scales have been in commercial use for many years. Since these devices use mechanical lever systems, they are believed to be unaffected by the influence factors specified under T.N.8. of the Scales Code of NBS (currently NIST) Handbook 44. The NTEP policy and procedures permit NTEP to issue Certificates of Conformance based upon the approvals granted by pre-NTEP jurisdictions. This Certificate was issued on this basis without formal NTEP testing. Since this Certificate was issued as a pre-NTEP Certificate, the performance of the scale when tested to the concentrated load capacity declared by the manufacturer has not been verified through actual testing.

Certificate of Conformance Number 88-215A1: This Certificate superseded Certificate of Conformance Numbers 88-215 and 88-216PN and was issued to combine the model designations from Certificate of Conformance Numbers 88-216PN and 88-215. The original test conditions are repeated below for reference.



Rice Lake Weighing Systems

Weighing/Load Receiving Element / MA, MC, MP and MPA Series

Certificate of Conformance Number 88-215: This Certificate superseded Certificate of Conformance Number 88-215PN and was issued to upgrade the status of the Certificate from a pre-NTEP Certificate to full and to include Models 430C10 and 860C10. No comments were received from the states concerning Certificate of Conformance Number 88-215PN. If no unfavorable comments are received concerning a pre-NTEP Certificate, NTEP policy and procedures permit the pre-NTEP Certificate to be upgraded to a full Certificate of Conformance. Additionally, two additional models were added to the Certificate, Models 430C10 and 860C10. The scales are the same design and within the range of the scales already included on the Certificate. This Certificate was issued on this basis without formal testing.

Certificate of Conformance Number 88-215PN and 88-216PN: These scales have received type approval by individual states prior to the establishment of the National Type Evaluation Program. These scales have been in commercial use for many years. Since these devices use mechanical lever systems, they are believed to be unaffected by the influence factors specified under T.N.8. of the Scales Code of NBS (currently NIST) Handbook 44. The NTEP policy and procedures permit NTEP to issue Certificates of Conformance based upon the approvals granted by pre-NTEP jurisdictions. This Certificate was issued on this basis without formal NTEP testing. Since this Certificate was issued as a pre-NTEP Certificate, the performance of the scale when tested to the concentrated load capacity declared by the manufacturer has not been verified through actual testing.

Evaluated By: Pre-NTEP Type Approvals: AL 1984; CA 1961, 1981

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 1999. NCWM, Publication 14: Weighing Devices, 1999.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: R. Suiter (NIST) 99-208; S. Patoray (NCWM), L. Bernetich (NCWM) 05-018