



## NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

|   |   |
|---|---|
| <b>For:</b><br>Non-Computing Scale<br>Platform Scale, Full Mechanical<br>Model: 854F<br>$n_{max}$ : 2 000<br>Capacity: (see page 2)<br>Platform: 19" x 28"<br>Accuracy Class: III | <b>*Submitted By: Contact Info. Updated September 2015</b><br>Cardinal Scale Manufacturing Company<br>203 East Daugherty Street<br>Webb City, MO 64870<br>Tel: 417-673-4631 x 211<br>Fax: 417-673-5001<br>Contact: Eric Golden<br>Email: <a href="mailto:egolden@cardet.com">egolden@cardet.com</a><br>Web site: <a href="http://www.cardet.com">www.cardet.com</a> |
|---|---|

**Standard Features and Options****Standard Features:**

- Fabricated Steel Lever System
- Sliding Poise with Locking Mechanism
- Tip Weights
- Level Indicating Means

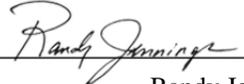
**Option:**

- Levertronic Conversion Capability (factory converted scales are identified as additional models listed on page 2)

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. \*Editorial changes, not affecting the type or metrological content, corrected this certificate.

  
Tim Tyson  
Chairman, NCWM, Inc.

  
Randy Jennings  
Chairman, National Type Evaluation Program Committee  
Issued: October 29, 2010

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**Cardinal Scale Manufacturing Co.**

Non-Computing Scale / 854F

**Application:** General purpose.

**Additional Model Numbers:**

| Levertronic | Mechanical | Nominal Capacity | Weighbeam Capacity | e <sub>min</sub> Digital / Electronic |
|-------------|------------|------------------|--------------------|---------------------------------------|
|             | 854F-50P   | 500 lb           | 50 x ¼ lb          |                                       |
|             | 854F-50K   | 500 kg           | 50 x ¼ kg          |                                       |
| 5852F*      | 854F-50PK  | 500 lb           | 50 x ¼ lb          | .2 lb                                 |
| 8851F**     |            | 400 kg           |                    | .2 kg                                 |
| 6850F**     |            | 200 kg           | 20 kg x 100 g      | .1 kg                                 |
| 8850F**     |            | 800 lb           |                    | .5 lb                                 |
| 8852F**     | 854F-100P  | 1 000 lb         | 100 x ½ lb         | .5 lb                                 |
| 5850F*      | 854F-100PK | 1 000 lb         | 100 x ½ lb         | .5 lb                                 |
|             |            | 500 kg           | 50 x ¼ kg          |                                       |

\* Reference Conversion kit, Certificate of Conformance Number 90-111

\*\* Reference Conversion kit, Certificate of Conformance Number 90-110

All mechanical models can be equipped with double weighbeams and poises for tare purposes. A suffix "DB" is added to the model number for this option.

**Identification:** The identification label is located on the column for the mechanical scales and on the column and the digital weight indicator for the levertronic scales.

**Test Conditions:** This Certificate supplements Certificate of Conformance Number 88-106 to include the factory converted levertronic versions. The results of the evaluations conducted on the conversion kits (Certificates of Conformance Numbers 90-110 and 90-111) and the Model 854F mechanical scale (Certificate of Conformance Number 88-106) indicates these devices comply with applicable requirements.

**Evaluated By:** Gary Castro and Pierre Labossiere (CA)

**Type Evaluation Criteria Used:** NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 1990. NCWM, Publication 14: Weighing Devices, 1990.

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