

**National Conference on Weights and Measures**  
15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

Certificate Number: 95-087A1  
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***National Type Evaluation Program  
Certificate of Conformance  
for Weighing and Measuring Devices***

**For:**

Bench Scale  
Electronic  
Model: AP Series  
 $n_{\max}$ : 4000;  $e_{\min}$ : See Below  
Capacity: See Below  
Platform: See Below

Accuracy Class: III

**Submitted by:**

Cardinal Scale Mfg. Co.  
203 E. Daugherty  
Webb City, MO 64870  
Tel: (417) 673-4631  
Fax: (417) 673-5001  
Contact: Stephen Langford

**Standard Features and Options**

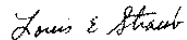
Semi-automatic, automatic, and initial zero-setting mechanisms  
Battery power supply with sleep and automatic shut-off modes  
Pound/kg conversion  
Semi-automatic tare  
Gross/net display

Model	Capacity and Division (d)	Platform Size (in)
AP-4K	4000 g x 1 g	6.75 x 5.25
AP-4KD	4000 g x 1 g	6.75 x 5.25
AP-4KDEX	4000 g x 1 g	6.75 x 5.25
AP-4KEX	4000 g x 1 g	6.75 x 5.25
AP-6	99.95 oz x 0.05 oz	6.75 x 5.25
AP-6EX	99.95 oz x 0.05 oz	6.75 x 5.25
AP-6PH	99.9 oz x 0.1 oz	6.75 x 5.25
AP-8	8.000 lb x 0.002 lb	6 x 9
AP-10	9.995 lb x 0.005 lb	6.75 x 5.25
AP-10CG	9.99 lb x 0.01 lb	6.75 x 5.25
AP-10K	9995 g x 5 g	6.75 x 5.25
AP-10KEX	9995 g x 5 g	6.75 x 5.25

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

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of 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.

Effective Date: October 4, 1996



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee  
Issue date: November 18, 1996

Note: The National Conference on Weights and Measures does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

**Cardinal Scale Mfg. Co.**  
**Bench Scale**  
**Model: AP Series**

**Application:** General purpose weighing.

**Identification:** The identification badge is on the side of the scale.

**Sealing:** The device can be sealed with a physical seal.

**Test Conditions:** This certificate supersedes Certificate of Conformance (CC) No. 95-087 and is issued without additional testing to correct the omission of the Model AP-8 and the declaration of platform sizes. The test conditions for the previous certificate are listed below for reference.

**Certificate of Conformance Number 95-087:** The emphasis of this evaluation was on device design, performance, and compliance with influence factors. The Models AP-10K, AP-4K, and AP-8 were tested. These devices were tested over a temperature range of -10 °C to 40 °C. In addition, a permanence test was conducted on the AP-8 during which the device was tested periodically. The device was also tested over a voltage range of 100 VAC to 130 VAC.

The results of these evaluations indicate that the devices comply with the applicable requirements of NIST Handbook 44.

**Type Evaluation Criteria Used:** NIST Handbook 44, 1996 Edition

**Tested By:** Milton G. Smith (Canada, LMB)

**Information Reviewed By:** C. V. Cotsoradis (NIST) (95-087); L. T. Sebring (NIST) (95-087A1)