

***National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices***

For:

Computing Scale
Digital Electronic
Model: CK Series
 n_{\max} : 6000 e_{\min} : 0.002 lb
Capacity: 12 x 0.002 lb, 30 x 0.005 lb, and 60 x 0.01lb
Platform: 9" x 11.5"
Accuracy Class: III

Submitted by:

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Standard Features and Options

This certificate is applicable to the following models and capacities: CK-12, CK-30, and CK-60. The number following the CK- designates the device capacity. A "P" Preceding the capacity in the model designation indicates that both the customer and the operator displays are remote pole mounted. (Example CK-P30)

Automatic zero setting mechanism (AZSM)
Semi-automatic (push button) zero
Initial zero setting mechanism (IZSM) (on/off switch)
Keyboard tare
Semi-automatic (push button) tare
Tare save key
Four Programmable PLU keys (tare and unit price)
Alphanumeric Customer display
AC/DC adapter
Battery power supply (rechargeable)
Battery saving feature auto shut-off
Numeric keypad
Pole mounted display
Category 1 Audit Trail (see sealing on page 2)

Load cell: Zhongyuan Electrical Measuring Instruments Co. model CZL-6D, 10kg, 20 kg or 50kg. (Non-NTEP)

Temperature Range: 5 °C to 35 °C (41 °F to 95 °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.

Ross J. Andersen
Chairman, NCWM, Inc.

Louis E. Straub
Chairman, National Type Evaluation Program Committee
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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.

Acom America, Inc.
Computing Scale
Model: CK Series

Application: General purpose computing scale for direct sale use.

Identification: The metal identification badge is riveted to the right side of the scale housing.

Sealing: The devices are equipped with category 1 Audit trails that have two non-resettable event counters. One event counter increments whenever any configuration settings are changed and is identified as "OPT". The other event counter increments when the device is calibrated and is identified as "CAL". The counters can be viewed by pressing the "Save" key during scale count down. Pressing any key will return the scale to the count down.

Test Conditions: The emphasis of this evaluation was on device design, marking, operation, and compliance with influence factors. The model CK-12, 12 lb capacity and CK-60, 60 lb capacity were tested for accuracy over a temperature range of 5 °C to 35 °C (41 °F to 95 °F). A load of approximately one-half scale capacity was applied to the devices 100 000 times. Increasing/decreasing load and shift tests were conducted periodically during this time. The devices were tested over a voltage range of 100 VAC to 130 VAC and 9.9 to 4.8 VDC. The devices were tested with an IZSM load of 20 % of scale capacity. A model CK-P30 scale equipped with a dual sided pole mounted display was evaluated for marking requirements and price computation.

The results of this evaluation indicate that the devices comply with the applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2003 Edition

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