

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

**For:**

Hanging Scale  
Digital Electronic  
Model : NC-1  
 $n_{\max}$ : 2500  
Capacity: 250 lb (125 kg) to 1000 lb (400 kg)

Accuracy Class: III

**Submitted by:**

CAS (USA) Corporation  
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**Standard Features and Options**

Capacity	d	$n_{\max}$
250 lb / 125 kg	0.1 lb / 0.05 kg	2500
500 lb / 250 kg	0.2 lb / 0.1 kg	2500
1000 lb / 400 kg	0.5 lb / 0.2 kg	2000

Semi-automatic (push button) zero  
Gross/net display  
Initial zero setting mechanism (IZSM)  
Battery power supply (rechargeable)  
Automatic zero setting mechanism (AZSM)

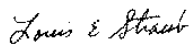
AC/DC adapter  
Semi-automatic(push button) tare  
Automatic shut-off  
Liquid crystal display  
External lb / kg key

**NOTE:** The backlight feature must be deactivated for legal-for-trade applications.

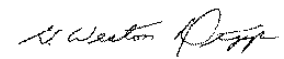
Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

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: December 2, 1996



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee

Issue date: January 30, 1997

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.

**CAS (USA) Corporation**  
**Hanging Scale**  
**Model: NC-1**

**Application:** For use as a heavy duty hanging scale.

**Identification:** The metal identification badge is riveted to the front of the device.

**Sealing:** Access to an internal switch (enables the calibration mode) is secured by a threaded bolt on the back panel of the device. A wire security seal can be used to secure this bolt to an adjacent bolt.

**Test Conditions:** The emphasis of this evaluation was on device design, operation, and compliance with influence factors. The Models NC-1(250) and NC-1(1000) were tested for accuracy over a temperature range of -10 °C to 40 °C. The devices were also tested over a voltage range of 100 volts AC to 130 volts AC and 6.2 volts DC to 13 volts DC. Additionally a load of approximately one-half capacity was applied to the scales more than 100 000 times. Increasing and decreasing load tests were conducted periodically during this time.

The results of this evaluation indicate that the series complies with the applicable requirements of NIST Handbook 44.

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

**Tested By:** A. P. Buie, J. T. Price (MD)