

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

**For:**

Indicating Element  
Digital Electronic  
Models: CI-2001A, CI-2001B, CI-2001AS,  
and CI-2001BS  
 $n_{\max}$ : 5000

Accuracy Class: III

**Submitted by:**

CAS (USA) Corporation  
99 Murray Hill Parkway  
East Rutherford, NJ 07073  
Tel: (201) 933-9002  
Fax: (201) 933-9025  
Contact: Mr. John Kim

**Standard Features and Options**

Semi-automatic (push-button) zero setting mechanism  
Automatic zero setting mechanism (AZSM)  
Initial zero setting mechanism (IZSM)  
Semi-automatic (push-button) tare  
Platter tare  
Remote printer capability  
AC/DC adapter power supply  
Light emitting diode (LED) display  
Gross/net display  
lb/kg conversion  
RS-232 communication port

**Optional Models**

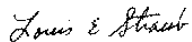
**Description**

CI-2001B	Liquid crystal display (LCD)
CI-2001AS	LED display with stainless steel case
CI-2001BS	LCD with stainless steel case

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 19, 1998



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee

Issue date: February 12, 1999

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**  
**Indicating Element**  
**Models: CI-2001A, CI-2001B, CI-2001AS, and CI-2001BS**

**Application:** General purpose indicating element to be used with a NTEP approved weighing element.

**Identification:** The required information is on a metal badge riveted to the top of the indicator.

**Sealing:** The device can be sealed with a wire security seal threaded through two flat head screws, one in the back of the indicator and the other in the cover plate, to prevent undetected access to the calibration button.

**Test Conditions:** This Certificate supersedes Certificate of Conformance Number 98-103 and is issued without additional testing to clarify and add specific model numbers for the options. The previous test conditions are listed below for reference.

**Certificate of Conformance Number 98-103:** The emphasis of the evaluation was on the device design, operation, marking requirements, and compliance with influence factor requirements. The Model CI-2001 indicator was interfaced with an Ohaus Model B50S (Certificate of Conformance Number 95-151) 100 lb x 0.02 lb weighing element. Several increasing/decreasing load tests were performed. Tests were conducted using 100 VAC and 130 VAC power supply. The indicator was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F).

The results of the evaluation indicate the device complies with applicable requirements of NIST Handbook 44.

**Type Evaluation Criteria Used:** NIST Handbook 44, 1998 Edition

**Tested By:** A. McCoy & W. West (OH) 98-103

**Information Reviewed By:** G. Newrock (NIST), R. Suiter (NIST) 98-103A1