



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Models: CI-200A, CI-201A, CI-200S and CI-200SC
 n_{max} : 10 000
Accuracy Class: III

Submitted By:

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Standard Features and Options

- Automatic Zero Tracking (AZT)
- Initial Zero Setting Mechanism (IZSM)
- Semi-Automatic Zero (Push Button)
- Keyboard Tare
- Semi-Automatic (Push Button) Tare
- AC/DC Power Supply
- Power Saving Feature (Auto Shut Off)
- Gross/Net Display
- RS232/RS485
- lb/kg Selection Key
- Version 1.10 and higher

Options:

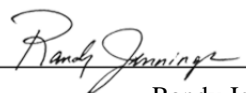
- Linearity Correction Points
- Plastic or Stainless Steel Housing
- LED or LCD Display

Model	Housing	Display
CI-200A	Plastic	LED
CI-201A	Plastic	LCD
CI-200S	Stainless	LCD
CI-200SC	Stainless	LED

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.


Tim Tyson
Chairman, NCWM, Inc.


Randy Jennings
Chairman, National Type Evaluation Program Committee
Issued: April 6, 2011

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CAS Corporation

Indicating Element / CI-200A, CI-201A, CI-200S and CI-200SC

Application: General purpose indicating element when interfaced to an approved and compatible weighing/load-receiving element.

Identification: The metal identification badge is riveted to the top of the indicator.

Sealing: Category 1 physical seal. Three metal screws on the rear of the indicator can be sealed using a wire seal through the holes in the screws as shown below for the CI-200 S and CI-200SC models. Two brass screws on the back of the indicator can be sealed by using a wire seal through the holes in the screws as shown below for the CI-200A and the CI-201A models.

Test Conditions: The Model CI-200S and the CI-200A digital weight indicators were submitted for this evaluation. The emphasis of the evaluation was on device design, operation, and compliance with influence factor requirements. The CI-200S indicator was interfaced with a load cell simulator and then tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). The CI-200A indicator was interfaced with a CAS LP11 (Certificate of Conformance Number 98-202A2) load receiving element, and both a CAS DEP-50 and DLP-50 printer. The device was tested for discrimination, power interruption, zero tests, and print format. Additionally, the device was tested with a supply voltage of 100VAC to 130VAC and 5.2VDC to 13.2VDC.

Evaluated By: E. Payne, Jr. (MD)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2011. NCWM, Publication 14: Weighing Devices, 2011.

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

Information Reviewed By: J. Truex (NCWM)

Examples of Device:



CI-200S and SC Sealing Means



CI-200S Indicator



CI-200A and 201A Sealing Means



CI-201A Indicator