



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Indicating Element
Digital Electronic
Model: CKW55
 n_{max} : 10 000
Accuracy Class: III

***Submitted By: Contact Info. Updated: December 2010**

Ohaus Corporation
7 Campus Drive, Suite 310
Parsippany, NJ 07054
Tel: 973-377-9000
Fax: 973-944-7177
Contact: Robert Hansen
Email: bob.hansen@ohaus.com
Web site: www.ohaus.com

Standard Features and Options**Standard Features:**

- Semi-Automatic (push-button) Zero Setting Mechanism
- Automatic Zero Setting Mechanism (AZSM)
- Initial Zero Setting Mechanism (IZSM)
- Linearity Calibration Points
- AC Power Supply
- Multiple Tare Memories
- Gross/Net/Tare Display
- Light Emitting Diode (LED) Display


- Unit Switching (Pound/Kilogram/Ounce/Gram)
- RS232 Port
- Semi-Automatic (push-button) Tare
- Keyboard Tare
- Programmable Tare
- Battery Saving Feature (sleep mode)
- Battery Saving Feature (auto shut-off)
- Center of Zero Annunciator


Options:

- Other Communication RS-422, RS-485
- Rechargeable Battery Power Supply
- Foot Switch

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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.


Tim Tyson
Chairman, NCWM, Inc.


Randy Jennings
Chairman, National Type Evaluation Program Committee
Issued: December 22, 2010

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

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Ohaus Corporation

Indicating Element / CKW55

Application: General purpose indicating element for use with NTEP Certified and compatible analog weighing elements.

Identification: The required information for the Manufacture, Model, Serial Number, NTEP CC appears on a self-destructive label on the top of the indicator. The capacity x division statement is on a label adjacent to the weight display.

Sealing: The metrological parameters are sealed using a physical seal of wire and plastic. Wire is threaded through bolts at a distance such that the seal will be broken when an attempt is made to unscrew the bolts.

Test Conditions: The emphasis of the evaluation was on the device design, operation, and marking requirements and compliance with influence factors. The indicator was interfaced with a Champ Square CQ series (Certificate of Conformance Number 01-048) Class III load-receiving element to verify compliance with zero, zone of uncertainty, and motion detection requirements. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F) using a load cell simulator. Tests were conducted using 100 VAC to 240 VAC and 6.61 VDC to 8.03 VDC.

Evaluated By: T. Lucas (OH), W. West (OH), T. Buck (OH)

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2005. NCWM, Publication 14: Weighing Devices, 2005.

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

Information Reviewed By: S. Patoray, L. Bernetich (NCWM)