



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Weighing/Load Receiving Element
Counter Bench, Load Cell Electronic
Models: CQ Series, DQ Series and DW Series
 n_{max} : 5 000
 e_{min} : 0.005 lb (0.002 kg)
Capacity: 25 lb (10 kg) to 500 lb (250 kg)
Platform: (see below)
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:

- Painted Carbon Steel or Stainless Steel Construction

Load Cells Used:

- One center mounted load cell (non-NTEP)

Carbon Steel Version:

- Mettler Toledo Model MT1241 - 30, 50, 100, 150 kg capacity
- Mettler Toledo Model MT1260 - 500 kg capacity

Stainless Steel Version:

- Mettler-Toledo Model SSP - 30, 50, 100, 200, 500 kg capacity

Model	Capacity		Platform	n_{max}
CQ10R, D10QR	10 kg x 0.002 kg	25 lb x 0.005 lb	305 x 305 x 95 mm	5 000
CQ25R, D25QR	25 kg x 0.005 kg	50 lb x 0.01 lb	305 x 305 x 95 mm	5 000
CQ50L, D50QL	50 kg x 0.01 kg	100 lb x 0.02 lb	457 x 457 x 115 mm	5 000
CQ100L, D100QL	100 kg x 0.02 kg	250 lb x 0.05 lb	457 x 457 x 115 mm	5 000
CQ250XL, D250QX	250 kg x 0.05 kg	500 lb x 0.1 lb	610 x 610 x 137 mm	5 000
CQ10RW, D10WR	10 kg x 0.002 kg	25 lb x 0.005 lb	305 x 305 x 95 mm	5 000
CQ25RW, D25WR	25 kg x 0.005 kg	50 lb x 0.01 lb	305 x 305 x 95 mm	5 000
CQ50LW, D50WL	50 kg x 0.01 kg	100 lb x 0.02 lb	457 x 457 x 115 mm	5 000
CQ100LW, D100WL	100 kg x 0.02 kg	250 lb x 0.05 lb	457 x 457 x 115 mm	5 000
CQ250XLW, D250WX	250 kg x 0.05 kg	500 lb x 0.1 lb	610 x 610 x 137 mm	5 000

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 20, 2010

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) 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.



Ohaus Corporation

Weighing/Load Receiving Element / CQ Series, DQ Series and DW Series

Application: For use in general purpose weighing applications when interfaced with an NTEP approved and compatible indicating element.

Identification: The required information is on a foil label glued to the frame of the scale under the platter.

Sealing: The load receiving element has no metrological functions that require the use of a security seal. Calibration and configuration of the scale are done through the indicator and sealed according to the manufacturer's instructions for the particular indicator used.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 01-048 and is issued to clarify CQ Series model information and add the DQ Series model numbers D10QR, D25QR, D50QL, D100QL, D250QX, and DW Series model numbers D10WR, D25WR, D50WL, D100WL, and D250WX. Based upon the information supplied by the manufacturer there was no need for additional testing since there were no metrological changes. The previous test conditions are listed below for reference.

Certificate of Conformance Number 01-048: The emphasis of the evaluation was on the device design, marking requirements, operation and compliance with influence factor requirements. The Ohaus Champ (10 kg x 0.002 kg and 500 lb x 0.1 lb) weighing elements were interfaced with Mettler-Toledo Hawk indicators (Certificate of Conformance number 99-054) and submitted for evaluation. Several increasing/decreasing load tests and shift tests were performed. The devices were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the bases over 100 000 times (each). The scale was tested periodically during this time.

Evaluated By: W. West (OH), T. Lucas (OH) 01-048; J. Morrison (OH) 01-048A1

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2001. NCWM, Publication 14: Weighing Devices, 2001.

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

Information Reviewed By: S. Patoray (NCWM) 01-048, 01-048A1

Example of Device:



CQ Series



DQ/DW Series