



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
 Hanging Scale
 Digital Electronic
 Models: DCxy* see below
 n_{max} : 5000
 e_{min} : 0.05 lb / 0.02 kg
 Capacity: 200 lb (100 kg) to 80 000 lb (40 000 kg)
 Accuracy Class: III

***Submitted By: Contact Info. Updated: December 2010**
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Standard Features and Options

Standard Features:

- Battery Power Supply
- Battery Saving Feature
- Semi-automatic (push button) Zero
- Automatic Zero Setting Mechanism (AZSM)
- Initial Zero Setting Mechanism (IZSM)
- Separate Gross/Tare/Net Display
- Wireless (infrared) Remote Control
- Keyboard Tare (via wireless remote control)
- Semi-automatic (push button) Tare
- Programmable Tare
- Multiple Tare Memories
- Remote Printer Capability
- RS 232 Communication Port

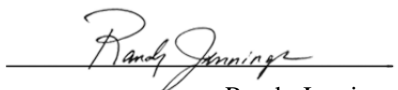
Model	Capacity	e_{min}	Load Cell
DCR200	200 lb (100 kg)	0.05 lb (0.02 kg)	TSA-0.25t
DCR250	250 lb (100 kg)	0.1 lb (0.05 kg)	TSA-0.25t
DCR500	500 lb (250 kg)	0.1 lb (0.05 kg)	TSA-0.25t
DCR1000	1000 lb (500 kg)	0.2 lb (0.1 kg)	TSA-0.5t
DCR2500	2500 lb (1000 kg)	0.5 lb (0.2 kg)	TSA-1t
DCR5000	5000 lb (2500 kg)	1 lb (0.5 kg)	TSA-3t
DCL10000	10 000 lb (5000 kg)	2 lb (1 kg)	TSA-5t
DCL20000	20 000 lb (10 000 kg)	5 lb (2 kg)	TSA-10t
DCL50000	50 000 lb (25 000 kg)	10 lb (5 kg)	TSA-25t
DCL80000	80 000 lb (40 000 kg)	20 lb (10 kg)	TSA-40t

*In the Model Name, where x indicates housing style, y indicates capacity in pounds.

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 16, 2010

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Ohaus Corporation

Hanging Scale / DCxy

Application: Crane scale / hanging scale for use in general purpose weighing applications.

Identification: The required information appears on an adhesive badge attached to the side of the scale housing.

Sealing: The scale is sealed by threading a lead wire seal through the large screw located on the side of the housing and a drilled head screw that secures the front cover on the scale. This prevents access to the sealable parameters.

Test Conditions: This Certificate supersedes Certificate of Conformance 09-059 and is issued to correct the model number listed in the Standard Features and Options Box on page 1. No changes have been made to the devices evaluated. Previous test conditions are listed below.

Certificate of Conformance 09-059: This certificate is issued based upon the following tests and upon information provided by the manufacturer. For the purpose of this evaluation, a 100 x 0.02 kg scale and 1000 x 0.2 kg scale were submitted for evaluation. The emphasis of the evaluation was on device design, marking, operation, and compliance with influence factor requirements. Several increasing/decreasing load tests were performed. The devices were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). In addition, a 10 000 x 2 kg model was tested for influence factors by a separate evaluation of the TSA-10t load cell conducted by the NIST Force Group.

A field test was conducted at a private laboratory on an 80 000 x 20 lb capacity scale under the supervision of an NTEP technician. Several increasing/decreasing load tests were conducted. The scale was sealed and after a period of 30 days and 300 weighing cycles at 50 000 lb, retested again in the same manner.

Evaluated By: A. McCoy (OH), W.D. West (OH), NIST Force Group, 09-059

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2009. NCWM, Publication 14: Weighing Devices, 2009

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) 09-059 & 09-059A1

Example of Device:



Model DCRy



Model DCLy