NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Weighing/Load Receiving Element
Load Cell Electronic
Model: DxRy
n_{max}: 5 000
e_{min}: 0.002 lb (0.001 kg)
Capacity: 10 lb to 500 lb (5 kg to 250 kg)
Platform: 9.5" x 12" to 23.5" x 31.5"
(240 x 300 mm to 600 x 800 mm)
Accuracy Class: III

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

Model DxRy, where the x is the capacity in kilograms and the y is the platform size.

Standard Features:

- Powder Coated Steel Construction with Stainless Steel Platter

Load Cells Used:

- Mettler-Toledo Model 0785, 0795, and 0805 (11 kg to 750 kg capacity) (non-NTEP)

Temperature Range: -10 ºC to 40 ºC (14 ºF to 104 ºF)

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 28, 2010

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Ohaus Corportation

Weighing/Load Receiving Element / DxRy

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

Identification: The required information is on an adhesive badge located under the scale platter.

Sealing: The weighing element does not have any adjustable components. Sealing of set-up and calibration parameters are done by the indicator which is sealed according to the manufactures instructions for the particular indicator used.

Test Conditions: [This certificate is issued based upon the following tests and upon information provided by the manufacturer. The emphasis of the evaluation was on device design, marking, and operation. Three Model DxRy weighing elements were submitted for evaluation, 10 x 0.002 lb, 100 x 0.02 lb, 500 x 0.1 lb. Each of the weighing elements was interfaced with the Mettler-Toledo SW Indicator (NTEP CC 98-110) when submitted for evaluation. Several increasing/decreasing load and shift tests were performed. The scales were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately ½ capacity was applied to each of the scales over 100 000 times. Tests were conducted periodically over this time. After the permanence tests were completed, the shift test, discrimination and zone of uncertainty tests were repeated.

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

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2006. NCWM, Publication 14: Weighing Devices, 2006.

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)

Example of Device:

Model DxRy