



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Counter Bench Scale, Load Cell Electronic
Models: Enduro DXL-10xxx, Enduro DXL-12xxx and Enduro DXL-15xxx Series
 n_{max} : 5 000
Capacity: 5 lb to 200 lb
Platform: 10 in x 10 in, 12 in x 12 in and 15 in x 15 in
Accuracy Class: III

Submitted By:

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Standard Features and Options**Load Cells Used:**

- Tedeia Model 1022 (CC No 96-122),
- Tedeia Model 1040 (CC No 89-075A2),
- Tedeia Model 1042 (CC No 96-123), or an NTEP approved metrological equivalent

Model	Capacity	Platform Size (in)
Enduro DXL-10005	5 lb x 0.001 lb	10 x 10
Enduro DXL-10010	10 lb x 0.002 lb	10 x 10
Enduro DXL-10025	25 lb x 0.005 lb	10 x 10
Enduro DXL-10050	50 lb x 0.01 lb	10 x 10
Enduro DXL-12050	50 lb x 0.01 lb	12 x 12
Enduro DXL-12100	100 lb x 0.02 lb	12 x 12
Enduro DXL-15050	50 lb x 0.01 lb	15 x 15
Enduro DXL-15100	100 lb x 0.02 lb	15 x 15
Enduro DXL-15200	200 lb x 0.05 lb	15 x 15

Enduro DXL-10XXX, where XXX = capacity in pounds / platter dimensions in inches, not to exceed 100 sq in
Enduro DXL-12XXX, where XXX = capacity in pounds / platter dimensions in inches, not to exceed 144 sq in
Enduro DXL-15XXX, where XXX = capacity in pounds / platter dimensions in inches, not to exceed 225 sq in
Example: Enduro DXL-10005 is a 5 lb device

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.

Kurt Floren
Chairman, NCWM, Inc.

Tim Tyson
Chairman, National Type Evaluation Program Committee
Issued: September 8, 2011

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CAS USA Corporation

Non-Computing Scale / Enduro DXL-10xxx, Enduro DXL-12xxx and Enduro DXL-15xxx Series

Application: For use in general purpose weighing applications interfaced with an approved and compatible indicator.

Identification: The required information is on a self-destructive label attached by adhesive affixed to the device under the platter.

Sealing: There are no metrological features in the weighing element, all changes are made through the indicator. The indicator is sealed according to the manufacturer's instructions for the particular indicator used.

Test Conditions: This certificate is issued based upon the following tests and information provided by the manufacturer. The emphasis of the evaluation was on the device design, operation, performance and compliance with influence factor requirements. Three devices were tested; a model Enduro DXL-10005 (5 x 0.001 lb), a model Enduro DXL-12100 (100 x 0.02 lb), and a model Enduro DXL-15100 (100 x 0.02 lb) were interfaced with Doran 8600 (NTEP CC 94-033) indicators. Several increasing/decreasing load tests and shift tests were performed. Additionally, tests were conducted using 100 VAC and 130 VAC power supply. 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 scales over 100 000 times. The scales were tested periodically during this time.

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

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)

Example of Device:

