National Conference on Weights and Measures
15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

National Type Evaluation Program
Certificate of Conformance for Weighing and Measuring Devices

For:
Non-Computing Scale, Counter/Bench
Digital Electronic
Model: DRX-4
n_{max}: 10 000
e_{min}: e = 0.01 g; d = 0.001 g
Capacity: 100 grams
Platform: 170 mm diameter
Accuracy Class: II

Submitted by:
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Standard Features and Options

- Automatic zero setting mechanism (AZSM), identified as AUT on display
- Initial zero setting mechanism (IZSM)
- Single integral LCD display
- Semi-automatic platter tare (max to scale capacity)
- Semi-automatic zero, (max 2 gram)
- d (0.001 g/1 mg) the last digit on the weight display is differentiated by brackets,[ ]
- Net weight indicator
- Center-of-zero indicator
- Stable weight indictor
- AC/DC adapter
- Weighing range in use display
- Software version number: 0021 or higher
- Scale marked “For Prescription Weighing Only”
- Software version number: 0021 or higher
- Load Cell: Electro-magnetic load cell, Manufacturer: Axis Sp., model no. AD100

Option
Printing weight information, using RS232 communication to a remote generic brand dot matrix printer, print format differentiates the value of d with brackets, [ ]

Temperature Range: 15°C to 30°C (59°F to 86°F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of 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.

Dennis E. Ehrhart
Chairman, NCWM, Inc.

Ross J. Andersen
Chairman, National Type Evaluation Program Committee

Issued Date: July 6, 2004

Fulcrum, Inc
Bench Scale
Model: DRX-4

Application: This class II scale is for prescription weighing and is marked, "For Prescription weighing only".

Identification: Identification information is on the back of the scale on a self-destructive foil label. The scale may be easily turned to view the identification information. If this scale is moved to view the ID information, care should be taken to confirm that the scale is returned to a level condition before it is used. The capacity and values of d and e appear on the front of the scale below the weight display. The software version is displayed at power up.

Sealing: This scale uses a category one sealing method. A physical seal prevents access to a calibration switch. The sealing location is in the back of the scale, near the RS232 connection receptacle.
This scale may be sealed using a pressure sensitive self destructive seal which is placed over a flush head screw preventing the screw's removal.
This scale may also be sealed using a wire security seal. If a wire security seal is to be the method of sealing, then an optional raised head sealing screw is required. A wire security seal can then be threaded through the hole in the raised head screw and through an anchor screw located adjacent to it.

Test Conditions: Model DRX-4 was submitted for evaluation. This class II scale has a capacity of 100 gram with an e = 0.01 g and d = 0.001g. The emphasis of the evaluation was on device design, operation, marking requirements, printing format and compliance with environmental factor requirements. Tests were conducted over a range of temperature from 15°C to 30°C (59°F to 86°F). This model was also evaluated with power supply voltages of 100 VAC and 130 VAC. The scale was connected to a remote generic brand dot matrix printer using RS232 communication to check the printing format. A load of approximately 1/2 capacity was applied to the scale over 100 000 times. The scale was tested periodically over this time.

Evaluated By: W. Fishman (NY)

Type Evaluation Criteria Used: NIST Handbook 44, 2004 Edition; NCWM Publication 14, 2004 Edition

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

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