

SOP: Denver Instruments APX 323 Balance Calibration

Approvals:

Preparer: Jason McMillan

Date: 10JAN14

Reviewer: Tim Kull

Date: 11JAN14

Reviewer: Dr. Maggie Bryans

Date: 12JAN14

1. Purpose:

1.1. Calibration of Denver Instruments APX 323 Balance.

2. Scope:

2.1. Applies to the calibration of Denver Instruments APX 323 Balance.

3. Responsibilities:

- 3.1. It is the responsibility of the course instructor/lab assistant to ensure that this SOP is performed as directed and to update the procedure when necessary.
- 3.2. It is the responsibility of the students/technicians to follow the SOP as described and to inform the instructor about any deviations or problems that may occur while performing the procedure.

4. References:

- 4.1. Denver Instruments APX 323 Balance Instruction Manual
- 4.2. Denver Instruments APX 323 Balance Operation SOP

5. Definitions: N/A

6. Precautions: N/A

7. Materials:

- 7.1. 200g ASTM Weight Class 2 Mass Standards for External Calibration
- 7.2. Denver Instruments APX 323 Balance

8. Procedure:

8.1. Calibration

- 8.1.1. Press "I/O" button to turn the balance on.
- 8.1.2. Be sure the weighing pan is clear and press the "ZERO" button to tare the balance.
- 8.1.3. Press and hold the "PRINT/MENU" button for three seconds or until the word **Unit** appears on the screen and then release.
- 8.1.4. Press the "PRINT/MENU" button and **Cal** is displayed.
- 8.1.5. Press the "ARROW" button to enter calibration mode.
- 8.1.6. The proper weight needed for calibration is then displayed in grams, 200g in this case.
- 8.1.7. Place the 200g ASTM Class 2 Mass Standard on the weighing pan. **Use utensils, do not handle mass standard with your hands.**
- 8.1.8. When a stable reading has been recorded, the balance will beep, the screen will flash (- -) and the reading will return to the weight of the calibration weight.
- 8.1.9. Calibration is complete. Remove the 200g ASTM Class 2 Mass Standard and the balance is now ready to use.

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8. Attachments:

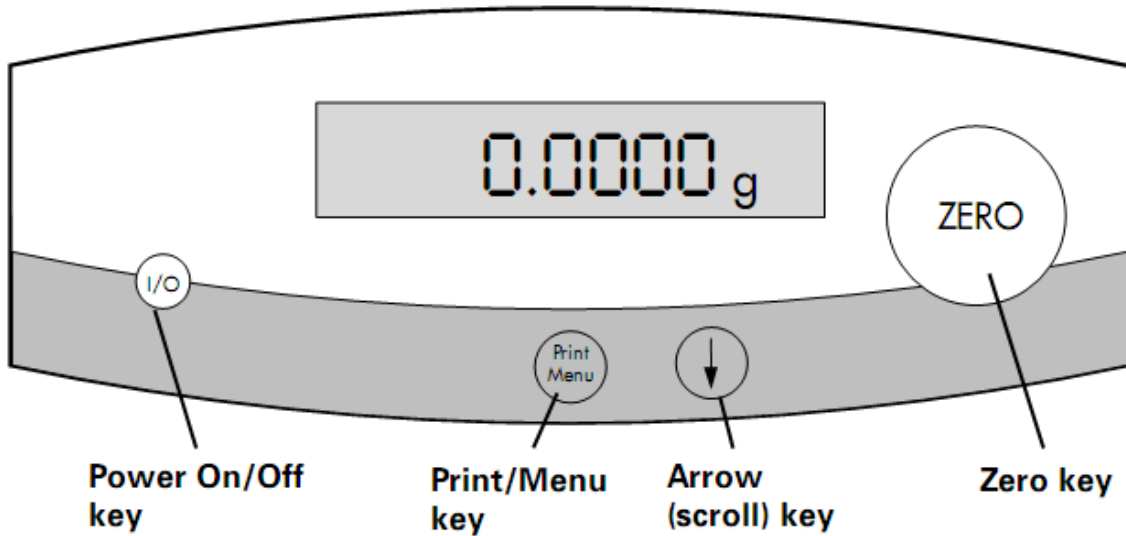


Figure 1: Denver Instrument APX 323 Display and Keyboard
Denver Instrument APX 323 Manual

10. History:

<i>Revision Number</i>	<i>Effective Date</i>	<i>Preparer</i>	<i>Description of Change</i>
0	10JAN14	Jason McMillan	Initial release