

SOP: Fisher Accu 124 Balance Calibration

Approvals:

Preparer: Jason McMillan
Reviewer: Dr. Margaret Bryans

Date: 14JAN14

Date: 15JAN14

1. Purpose:

1.1. Operation of Fisher Accu 124 Balance.

2. Scope:

2.1. Applies to the weight measurement of laboratory materials.

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. Fisher Accu 124 Balance Instruction Manual.

5. Definitions: N/A

6. Precautions: N/A

7. Materials:

- 7.1. Fisher Accu 124 Balance
- 7.2. 100g ASTM Class 1 Standard Mass

8. Procedure:

8.1. Internal Calibration

- 8.1.1. Press the "TARE" button to zero the weight display **TARING** will be displayed.
- 8.1.2. Press the "CALIBRATION" button. **CAL** will be displayed during calibration.
- 8.1.3. When calibration is complete the unit will return to the measurement mode.

8.2. External Calibration

- 8.2.1. Press the "TARE" button to zero the weight display.
- 8.2.2. Gently place the 100g ASTM Class 1 mass standard on the balance. **Be sure to use utensils, do not use your hand.**
- 8.2.3. Press the "CALIBRATION" button.
- 8.2.4. The display will read **CAL**.
- 8.2.5. When calibration is complete the display will read **100g** and the unit will return to measurement mode.

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9. Attachments:

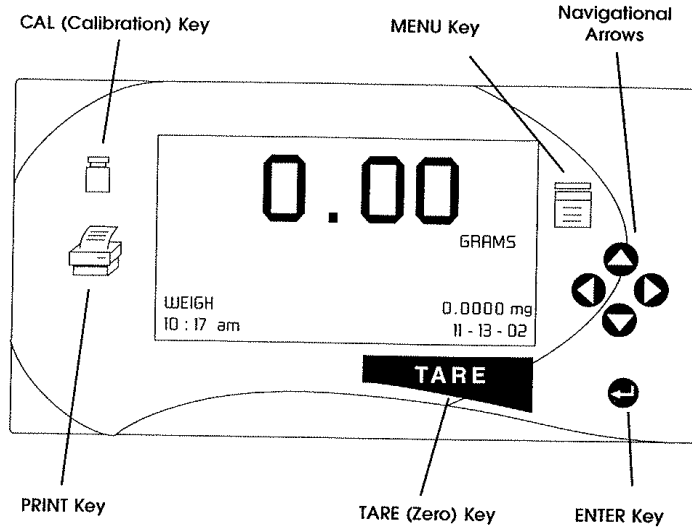


Figure 1: Fisher Accu 124
 Fisher Accu 124 Manual

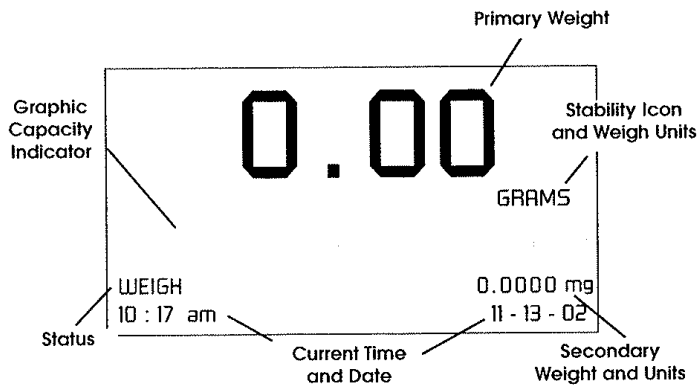


Figure 2: Fisher Accu 124 Display
 Fisher Accu 124 Manual

10. History:

<i>Revision Number</i>	<i>Effective Date</i>	<i>Preparer</i>	<i>Description of Change</i>
0	14JAN14	Jason McMillan	Initial release