

SOP: Denver Instruments PI 403 Balance Calibration

Approvals:

Preparer: Jason McMillan
Reviewer: Dr. Maggie Bryans

Date: 09JAN14

Date: 10JAN14

1. Purpose:

1.1. Calibration of Denver Instruments PI 403 Balance.

2. Scope:

2.1. Applies to the calibration of Denver Instruments PI 403 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 PI 403 Balance Instruction Manual
4.2. Denver Instruments PI 403 Balance Operation SOP

5. Definitions: N/A

6. Precautions: N/A

7. Materials:

- 7.1. 200g Class 2 or better mass standard for External Calibration
7.2. Denver Instruments PI 403 Balance

8. Procedure:

8.1. External Calibration

- 8.1.1. Press the "TARE" button.
- 8.1.2. Place the 200g Class 2 or better mass standard on the weighing pan. **Use utensils do not touch the mass standard with your hands.**
- 8.1.3. Press the "CALIBRATION" button.
- 8.1.4. The unit will display **CAL external**.
- 8.1.5. When calibration is complete the reading of the weight will be displayed and the unit will return to measurement mode.

8.2. Internal Calibration

- 8.3.1. Press the "TARE" button.
- 8.3.2. Press the "CALIBRATION" button.
- 8.3.3. The unit will display **CAL internal** and perform the calibration.
- 8.3.4. When calibration is complete, the unit will return to measurement mode.

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9. Attachments:

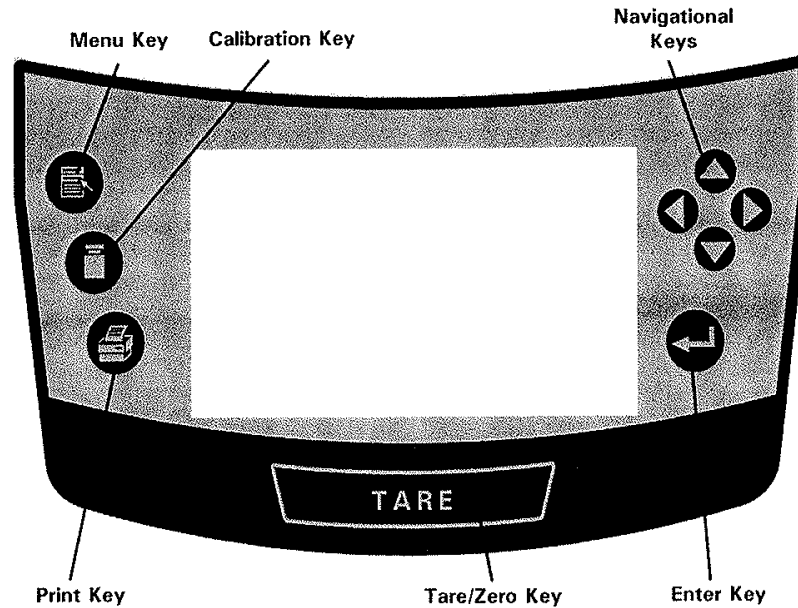


Figure 1: Denver Instrument PI 403
Denver Instrument PI 403 Manual

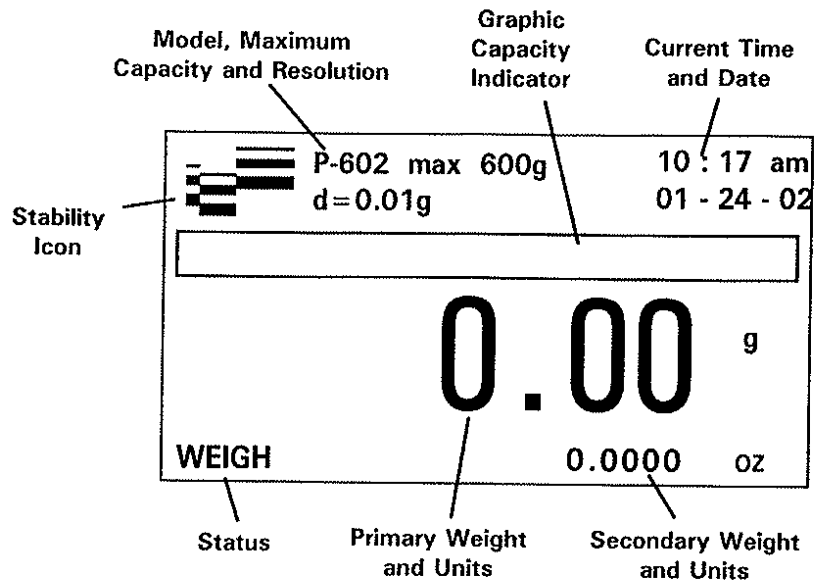


Figure 2: Denver Instrument PI 403 Display and Keyboard
Denver Instrument PI 403 Manual

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10. History:

<i>Revision Number</i>	<i>Effective Date</i>	<i>Preparer</i>	<i>Description of Change</i>
0	09JAN14	Jason McMillan	Initial release