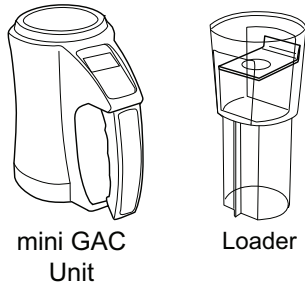


# QUICK START GUIDE



## MINI GAC® GRAIN MOISTURE ANALYZER

mini GAC contains:



The cell must be empty and the loading cup removed before:

- Turning the unit ON and
- Starting grain tests (progress bar indicates when testing)

### SELECTING GRAIN

1. Press the **On/Off/Home** button to power on the unit.
2. To select a grain type, press the **Down Arrow** button to position cursor at the **Product** heading and press **Enter**.
3. Select a product (grain) using the **Up or Down Arrow** button and press **Enter**.
4. The selected grain will appear at the top of the display.

### GRAIN SAMPLE TESTING

1. **Ensure Loader is removed from the top of the unit.**
2. With the product name selected at the top of the display, press the **Enter** button.
3. The cell must be empty, upright, and still to perform an empty cell test. When the Empty Cell menu displays, press the **Enter** button.

**IMPORTANT:** The empty cell reference measurement is used for product testing. It is critical that the cell be clean and completely empty when performing the empty cell test. Keep the measurement cell opening clear of hands or other objects during this period.

4. After the empty cell test completes, the **Fill Cell** menu displays.
5. With the slide closed, scoop or pour grain into the Loader over the minimum fill line (Label on loader identifies minimum fill line), refer to Figure 1.
6. Place the Loader on top of the unit.
7. When secured, pull Loader slide out to dispense grain into the unit.
8. **Remove the Loader and use the level edge to strike any excess grain from the unit.**
9. Press **Enter** to begin the test.

**IMPORTANT:** A slight tilt when holding and testing grain is acceptable. If tilt is more than 10 degrees, an error warning is possible.

10. When grain test completes, press **Enter** to store the results. Press **Enter** again to see the average of all samples and press the **Up or Down Arrows** to scroll through all previous readings.
11. Press the **Home** button to return to the Home menu.

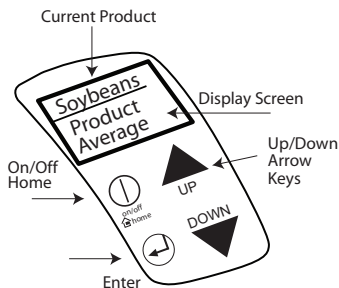
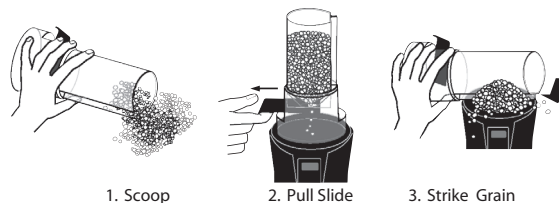


Figure 1

Scoop, Pull Slide, Strike Grain



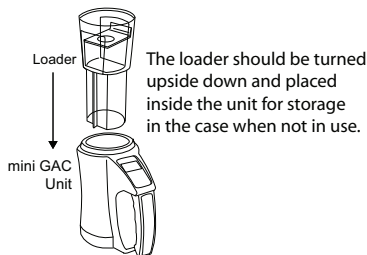
### CAUTION

Use care when handling the mini GAC unit. Any misuse of the unit, such as tossing, dropping, or throwing, can potentially damage the internal measuring device.

# QUICK START GUIDE



## STORAGE



**NOTE:** The mini GAC unit can be customized to user preferences (languages, display, average buffer size, backlighting, contrast, unit measurement, and automatic power down) at the Setup menu. Refer to the operator's manual at our website [www.dickey-john.com](http://www.dickey-john.com) for additional instruction.

## BATTERY STATUS



**Low Battery**

Battery life has almost reached capacity. Unit is still capable of making accurate measurements but the battery should be replaced soon.



**Dead Battery**

Battery has reached end of life and can no longer make accurate measurements. Unit will no longer perform any functions other than to power off. Battery life can be prolonged by reducing the Power Down setting inactivity at the Setup menu.

## GRAIN CALIBRATIONS

Grain calibration values are typically updated on an annual basis. North American grain calibrations can be downloaded from the DICKEY-john website by installing a PC application software which is used to download calibrations to the mini GAC. Visit [www.dickey-john.com](http://www.dickey-john.com) at the mini GAC product page to download US grain calibrations and PC application software.

## ERROR CODES

Error Code	Probable Cause	Corrective Action
	Measured temperature is below minimum.	<ol style="list-style-type: none"> <li>Pressing the <b>Enter</b> button causes the unit temperature measurement to repeat and operation will proceed if the cell temperature is above the minimum, otherwise Error 10 displays again.</li> <li>If unit temperature is still below minimum, wait to test until the temperature is greater than 32 degrees F (0 degrees C).</li> </ol>
	Measured temperature is above maximum.	<ol style="list-style-type: none"> <li>Pressing the <b>Enter</b> button causes the cell temperature measurement to repeat and operation will proceed if the cell temperature is below the maximum, otherwise Error 12 displays again.</li> <li>If cell temperature is still above maximum, wait to test until the unit temperature is less than 158 degrees F (70 degrees C).</li> </ol>
	Measured product moisture is below the lower limit of the production calibration.	Press <b>Enter</b> to show measured results.
	Measured product moisture is above the upper limit of the product calibration.	Press <b>Enter</b> to show measured results.
	Weight measurement during the Empty Cell test indicates a mass that exceeds 35 grams.	<ol style="list-style-type: none"> <li>Ensure the loader cup is removed during the empty cell test.</li> <li>Ensure the cell is empty prior to the empty cell test.</li> </ol>
	Measured average tilt angle exceeds 10 degrees after an Empty Cell and/or a Full Cell test phase.	<ol style="list-style-type: none"> <li>Hold mini GAC level while performing test or</li> <li>Place on level surface to perform test.</li> </ol>

For additional assistance contact Dickey-john Technical Support at 1-800-637-3302.