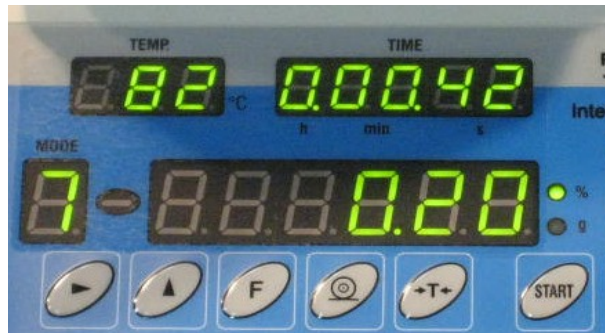






Quick Start Set-up

CSC Scientific Economy Moisture Balance



- 1) Turn on the power using the switch at the upper left rear. **** Note the instrument will automatically warm-up and check the calibration for approximately three (3) minutes. When this is **finished** the center display will show **0.000**.
- 2) The *default* set up is **moisture percent (%)**, **automatic operation** and **temperature 100 ° Centigrade**. (This is MODE 1 - TEMP. 100).
- 3) **Setting up for a test.**
 - Open the cover
 - Place an empty disposable sample pan on the pan support.
 - Press the Tare Key  to zero the weight of the empty disposable sample pan.
- 4) **Running a Test** (Default settings are as shown in step 2).
 - Load sample to the desired weight (use approximately 5 grams if you do not have a company standard).
 - Close the cover.
 - Press the start  key two times.
- 5) **During the test** % moisture will display on the center screen and the elapsed time of the test will display on the time screen.
- 6) **Reading the Result.**
 - A buzzer sounds when the test is complete.
 - The final moisture % shows on the main display and the test time is displayed.
 - Pressing the Tare Key  turns off the Moisture % and displays the ending weight.
- 6a) **Printer or Computer**
 - If a printer or computer is attached, pressing the Print Key  will record the results.
- 7) For best results the instrument should be level and free of drafts.

Note: To adjust setting for % solids or % dry weight, to change temperature, or to time test, turn to the back of this sheet.








Quick Start Set-up

CSC Scientific Economy Moisture Balance

Part II Changes in default Settings










Changing Test Temperature

The default setting for the test temperature is 100° C(Centigrade). To change this temperature begin by:

- 1) Pressing the  Function Key until "tEmP" shows on the Main Screen. At this point the **left** digit on the *Temperature Screen* will flash.
- 2) Press  Up-Arrow Key until this first digit is either 0 or 1.
- 3) Next press the  Angled Arrow Key once to get the middle digit to Flash and adjust this with the  Up-Arrow until it gets to the desired number. (*for example 3 if your desired temperature is 135*).
- 4) Next press  the Angled Arrow Key once to get the last digit. Use  Up-Arrow until it gets to the desired number. (*for example 5 if your desired temperature is 135*).
- 5) When the desired temperature shows in the **Temperature** window, press the  Function Key and this setting is saved.

Changing to a Time Test



The default operation is for an automatic shut down when three consecutive reading are the same. To switch to a fixed time test begin by:

- 1) Pressing the  Function Key until "modE" shows on the Main Screen.
- 2) Then press the  Up-Arrow Key until 7 shows in the Mode Window.
- 3) Press the  Function Key.
- 4) The Hour Digit will flash in the *Time Window*.
- 5) Adjust this digit using the  Up-Arrow Key until the desired number of hours show.
- 6) Next press the  Angled Arrow Key once to get the left minutes digit to flash. Press Up- Arrow  until it gets to desired number. (*for example 5 if the desired minutes 53*).
- 7) Next Press the Angled Arrow Key  once to get the second minutes digit. Use Up- Arrow  Until gets to the desired number. (*for example 3 if your desired minutes are 3*).
- 8) Repeat the process in the second window if you want to set the seconds.
- 9) When the time is as desired, press the  Function Key and this setting is saved. The instrument will be set for % moisture on a timed test until you change the mode.

Changing the read out Formula

There are three *read-out* formula.

- A. **% Moisture:** (Start Weight-End Weight)/Start Weight -- **Mode -1** This is Default Setting
- B. **% Solids:** End Weight/Start Weight -- **Mode 2**
- C. **Dry Weight Basis:** (Start Weight-End Weight)/End Weight -- **Mode 3**

To change the *read-out* formula, begin by pressing the  Function Key Until "modE" shows on the Main Screen. Then press the Up-Arrow Key  until the desired number (1, 2 or 3) show in the Mode Window. **Note: Ignore all other numbers.**