



EVOM™ Manual (EVM-MT-03-02)

EVOM™ Manual for TEER Measurement with Secure Data Transfer Capability

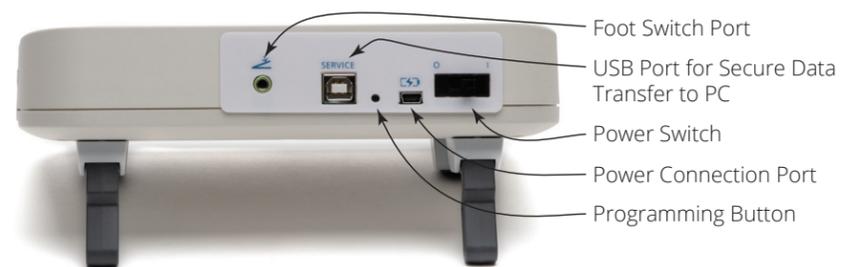
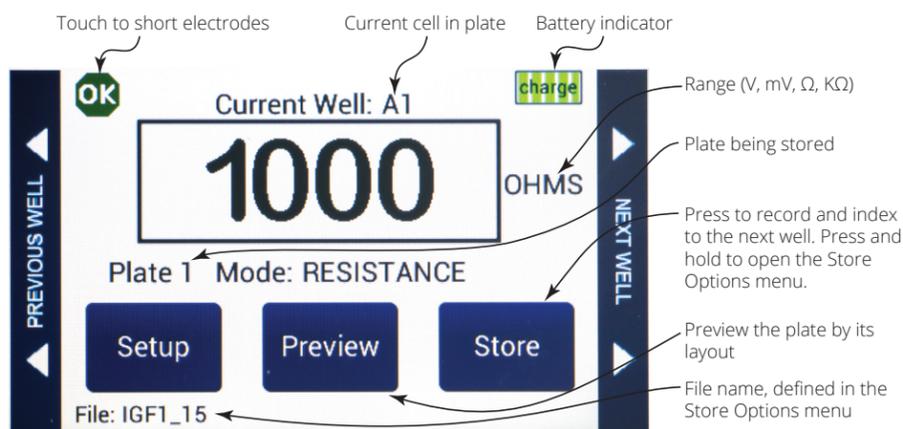


Instrument Description



The ports on the side of the unit let you connect a USB flash drive and the EVOM™ electrode.

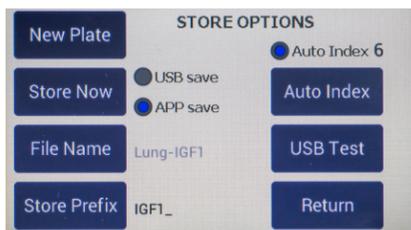
Main Display



The ports and controls on the back of the unit let you connect a foot switch, connect a USB cable to a PC for secure data transfer, connect the power adapter, and power on the system.

Taking Measurements

1. Power on the **EVOM™ Manual** using the power switch on the rear panel.
2. To configure your data file storage settings, hold the **Store** button on the main screen for 2 seconds.



Store options screen.

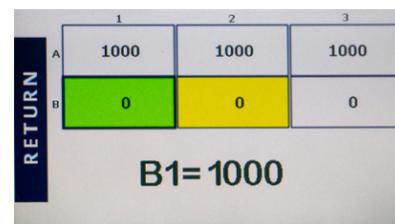
- Select the preferred storage mode, **USB Save** or **APP Save**.
 - If a filename other than the default (plate1) is required, choose whether you will use a prefix and auto-indexing or a unique file name.
3. Prepare the storage location you selected above, either USB or PC using the appropriate method:
 - If you selected **USB Save**, you need to insert the USB flash drive into the USB port on the side of the **EVOM™ Manual**.
 - If you selected **APP Save**, need to make sure the **EVOM™ Manual** is properly connected to the computer using the USB cable included and verify that the Companion Application is running.
 4. Configure your plate settings, including the number of wells, the mode (resistance or voltage), the mode units, and blank handling, and perform any electrode preparation.



(Left) Press **Setup** to access the Setup screen.

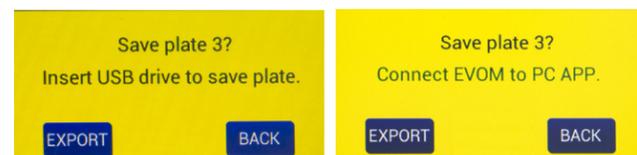
(Right) Select the mode. For resistance measurements, choose **OHMS** or **K OHMS**. Then select the range.

5. Whether you are taking resistance or voltage measurements, the data acquisition procedure is identical. To begin measuring with well A1, do one of the following:
 - Press the foot switch or touch the **Store** button on the main screen. A measurement of the first well is taken, and the data storage advances to the next well in your sequence. Tap the **Store** button again to measure the next well in your defined sequence.
 - Press the **Preview** button to see a graphical display of the plate. The green cell indicates the cell to be sampled, and the yellow cell indicates the next well in the sequence. Press the foot switch to take a measurement and advance to the next well.
 Repeat the sampling process. Press the **Preview** button to see the measurements that have been taken.



The preview screen for a 6-well plate show the A1-A3 cell data taken (1000).

6. Once the last well has been recorded, the file storing selection notification appears prompting you to take an action.



(Left) After the last cell measurement is taken and you are saving to the USB drive, this message appears.

(Right) If you are saving to the EVOM™ Companion Application, the message changes a little.

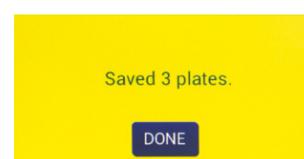
Select one of the options as follows:

- **Export** starts the storage of all the plate files. When you select it a message appears describing which plate is being stored. The number of plates could be one, two or three, depending on how many were collected before exporting.
- **Next** returns you to the main screen so you can take measurements of the next plate which starts from a clear state.

NOTE: If you are on plate 3, the **Next** button does not appear, because **EVOM™ Manual's** memory only holds data from three plates.

- **Back** returns you to the main screen (data collection). You go back to the first well of the current plate being collected and can acquire the data again.

7. When the plate data has been saved, a confirmation message appears. Press the **Done** button to return to the main screen.



(Right) All three plates were saved to the connected computer.

8. Now you can work with your data.
 - If you stored your data on the USB flash drive, remove the drive and transfer the data files to your computer. They are in comma separated value (CSV) file format for Microsoft® Excel.
 - If you stored your data using the EVOM™ Companion Application, all your data files will be located in the directory you specified when you started the Companion Application.