

Read this manual before installing the batteries. See video on www.auper.com.

You will need:

1. Graduated cylinder
2. WD 40 lubricant to kill the foam.

Calibrating the 2FM



The calibration procedure ensures the accuracy of the measurements of the flow meter system. Each flow meter must be calibrated with the product it is measuring. The flow meter should be re-calibrated if the product is changed. Calibrating 2FM requires that you to dispense a measured amount of product at each faucet into a graduated cylinder. If you want to measure ounces, the amount required is 20 ounces. If you want to measure liters, the amount will be one liter. With Auper flow meter for draft beer (model 50-316-C), you should get between 280 and 320 pulses for 20 ounces or 480 to 520 pulses for one liter depending on the type of beer. Keep in mind that both flow meters get calibrated at the same time. If you over pour the target amount on one of the flow meters, it is all right. You will be able to redo it after.

Before you start, **tell everyone NOT TO USE the beer taps while you calibrate.**

1. Insert the two AAA batteries in the 2FM. Use alkaline batteries only.
2. Upon power up, you will be asked if you want to calibrate: **Calib ?**
 - Press **Line** to answer YES if you are installing the system
 - Press **Light** to answer NO if you are changing the batteries



3. Next message: **USE 20**

- To calibrate to count ounces leave it on **USE 20**
- To calibrate to count liters, press **Line** to change it to **USE 1**.
- Press **Line** to alternate between **USE 20** and **USE 1**.



4. Press **Light** to enter the calibration mode **CA 0000**.

- Spray some WD 40 into the graduated cylinder before you pour the beer. This lubricant will help kill the foam to speed up the process. WD 40 will not work with Stouts and Cream Ales. You will need more patience to let the beer settle.
- You can close the faucet to let the beer settle as many times as needed while you serve into the graduated cylinder.
- If you calibrate to measure ounces: Pour and measure exactly 20 ounces of product at both faucets.
- If you calibrate to measure liters, pour exactly one liter at both faucets using a graduated cylinder.

The display will show the flow meter pulses on line 1. Line 2 is not displayed but is still being calibrated.

5. Press **Line** to calibrate the meters.

The display will show the result of the calibration for line 1 (ex: 20 oz /300 pulses = 0.066666 or 1 L /502 pulses = 0.001992). If you are not satisfied with the accuracy of the amount served and wish to re-calibrate either one, or both meters:

- Press the **Light** button four times to get to the calibration screen of Line 2. **CA 0000**. (the dot identifies line 2)
- Press the **Light** button four more times to get to the calibration screen of Line 1. **CA 0000**
- Repeat steps 4 and 5.

6. Press **Line** again. **quit ?**

7. Press **Line** to accept. You have now entered to counting mode.

- Pressing the Line button toggles the display between the two counters. Line 2 is identified by a dot at the end.
- Pressing the Light button will turn on the back light for a few seconds.
- To enter the calibration mode, remove one of the batteries for a moment.

Accuracy check

Check the accuracy of the meters by pouring beer in the graduated container. Compare the amount on display with the amount in the graduated cylinder. If you are not satisfied, remove one battery to cut the power and start again.

Pour size sampling

When you have finished calibrating the 2FM, use will use it to measure the amount of beer contained in your different glass sizes. Record these values as you will need them to match the sales with the beer served.

Security tapes

The 2FM is supplied with 3 security tapes. Install a tape onto the battery cover after you have finished setting up the system. The tape is designed to leave marks to warn you if it has been tampered with.

Reset key option

If you have ordered your 2FM with the reset key option, you can reset your meters by turning the key to the Reset position. The key will return automatically to the counting position.

Batteries

The 2FM requires very little current and since the Auper flow meters generate their own power, battery life is maximized. The battery life will vary according to the volume of product dispensed and with the number of times the light is used. New and fully charged alkaline batteries should last between one and two years.

Low batteries

When the batteries are low, the display will start flashing after you have pressed one of the two buttons. Considering the very low energy consumption of the 2FM, you have several days to change the batteries. When batteries are changed, the 2FM will reset to zero. The calibrations however, have been saved and will remain unchanged.