

Instructions for recalibration for fluid other than water:

You need to flow a known volume of liquid that you can control. The accuracy of our calibration change will depend a lot on your ability to control the exact amount of the known volume.

First clear the total number of gallons on the monitor.

Now run the known volume. Be sure you keep the liquid flow above the rated minimum of the turbine meter or any unmeasured fluid at that under flow can cause discrepancies in calibration.

Now get the total count that the monitor said and the known volume amount you just ran. Get the new k-factor as derived below.

Monitor reading (display) divided by the known volume = X.

Now take X from above and multiply it by your current k-factor used in the test to derive the new k-factor. Take the new k-factor and put it into the monitor. This should provide a more accurate reading with the fluid you are using.

Example

Known: 225 gal Display: 208 Current K-factor: 325.45 ppg

$208 \div 225 = \underline{0.9244}$ X 325.45 = 300.86 .

Please note that there is no guarantee of accuracy when used with fluids other than water. The calibration is subject to change when the conditions of the test above change. For example when the temperature changes or the mixture ration of mud to water to whatever changes this can effect how many pulses it takes for a gallon of your fluid goes through the turbine meter.