

IM – Well Inspection Combination Gauge Instructions.



Quick connect hose fittings are included with the IM – Well Inspection Kit

Connect a $\frac{3}{4}$ garden hose from a house faucet (preferably near the well pressure tank) to the lower hose connection on the well gauge set (at gallon totalizing meter).

Connect a $\frac{3}{4}$ garden hose from the top hose fitting of the meter assembly (at clear GPM meter), discharge this hose to a safe location (away from septic system, buildings, etc).

Record the total gallons reading on the totalizing meter before starting the well pump flow test.

Turn on water at hose faucet, check garden hoses for any kinks or restrictions. Record the GPM reading on the clear GPM gauge (measure at top of steel ball).

Run water for the desired time and record the reading on the gallon totalizing meter after the water is turned off (monitor well during pumping to prevent damage to the well pump if the well runs dry).

Subtract the starting total gallons number from the final total gallons reading, this is the amount of water pumped during the test.

Divide the amount / gallons of water pumped by the pumping time and this will give you the GPM rate of pumping.



Compare this number to the GPM reading that was on the clear GPM meter, this will quality / cross check the accuracy of your gauges.

Note: the number obtained by dividing the total gallons pumped by the pumping time will be the average of the GPM pump flow rate over the entire test, the readings at the clear GPM will vary over the course of the pumping test due to pumping pressure changes and changes in the static water level in the well.

HOW TO READ THE TOTALIZING GALLONS METER

The totalizing meter gauge is read in a clockwise rotation. The reading at this gauge would be 571.95 Gallons. Typically, you would round this number up to 572 Gallons.

1. The top number is the Hundreds of gallons pumped.

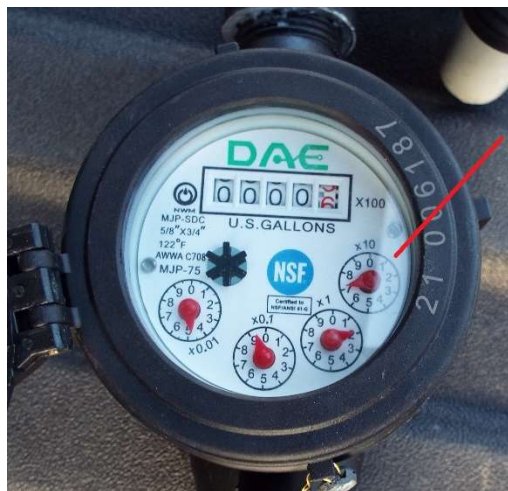


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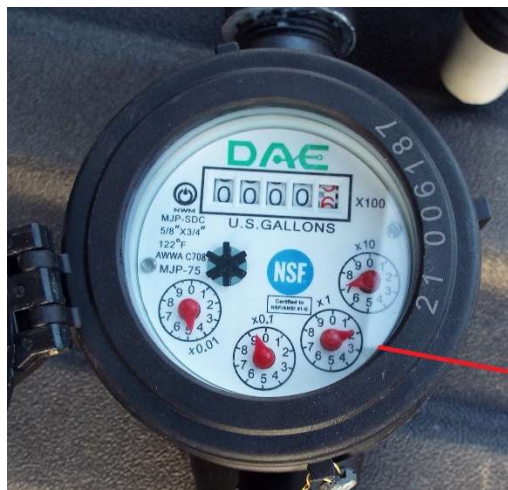
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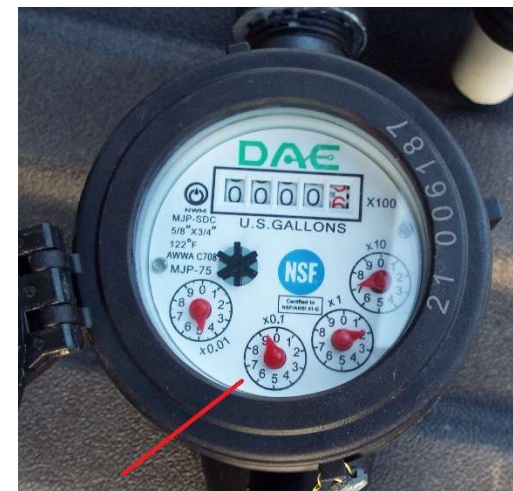
2. The circle gauge at the top right is the Tens of gallons pumped.



3. The second to the right circle gauge is the number of gallons pumped.



4. The circle gauge at the bottom is the Tenths of a gallon pumped.



5. And the circle gauge at the left is the hundredths of a gallon pumped.

