

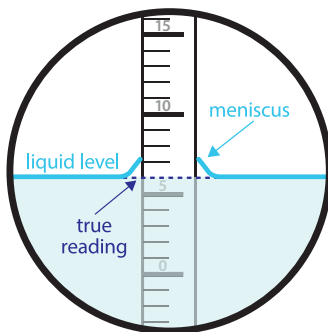
DEF Hydrometer Diesel Exhaust Fluid Tester Set

1. WEAR SAFETY GOGGLES when using this instrument.
2. Take a moment to become familiar with the *hydrometer float*. Inside the *hydrometer float*, you will see the “paper scale.” This hydrometer reads 25% – 40% urea concentration with a Green Zone from 30% – 35%. The desired concentration being 32.5% Urea Concentration Calibration. When you begin using this instrument, the *hydrometer float* will float in the DEF fluid. You will need to determine which line on the scale matches the liquid level. Understanding this process is key to getting an accurate reading.
3. Remove the caps on the DEF storage tank.
4. To begin, hold assembled tool vertically by the *rubber bulb*. Squeeze the *rubber bulb* as shown in **Figure A**. Then lower the *tip extension* into fluid as shown in **Figure B**. Slowly allow *glass barrel* to fill with the DEF fluid. Once the *hydrometer float* begins to “float” inside the *glass barrel*, hold the instrument as vertical as possible as shown in **Figure C**. Try not to remove the *tip extender* from the DEF fluid. Doing this may cause air bubbles to form. If bubbles were to form, empty and repeat Step 4. It is now time to take your reading.
5. Once you have taken and recorded your reading, expel fluid back into the storage tank and replace the cap. Clean your tool! Remove the *tip extension* and reinsert *safety plug*. The *hydrometer set* can be placed back in its *storage case* for future use. You DO NOT need to remove the *hydrometer float* from the *glass barrel* for general storage. Occasionally remove *rubber bulb* and *hydrometer float* and rinse entire assembly with water. The *hydrometer float* is very fragile. HANDLE GENTLY. This will ensure long life and accurate readings for you instrument.
6. Do not allow air bubbles to enter your *glass barrel*. This will affect your readings negatively. Do not let the *tip extension* leave the fluid while extracting the liquid. This will allow air bubbles to enter the system. If this happens, expel the fluid back into storage tank and begin Step 4 again.

WARNING

ALWAYS USE PROTECTIVE EYEWEAR WHILE USING AND ASSEMBLING OUR INSTRUMENTS

Take the reading according to the “True Reading” principle as shown below.



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