

0-1 NTU TESTING GUIDE

- For best results, read the user manual before using the meter.
- Select options. Select NTU (EPA version), FNU (ISO version), Formazin, and Averaging/5 measurement.
- To change settings refer to the **Options and Set Up** chapter of the user manual.
- Use the AC Adapter, if possible. Averaging option will use more power.
- For the most accurate results, follow the Tips.

Note: If proceeding to “ANALYSIS” immediately after performing “CALIBRATION” skip “ANALYSIS” steps 1 through 7 and begin “ANALYSIS” with step 8.

ANALYSIS (with calibrated meter):

1.	Turn meter ON .
Tip	Meter should be calibrated with 1 NTU standard .
2.	Select MEASURE .
3.	Select TURBIDITY .
4.	Rinse a tube three times with the 0 NTU Standard or zero-turbidity water. Fill the tube to the line with the 0 NTU Standard . Cap the tube. This is the Blank .
Tip	Use a clean, smudge-free, scratch-free tube. Do not use a tube or cap that has held standards with high turbidity. Fill the tube slowly, pouring down the side to avoid introducing bubbles.
5.	Dry Tube .
Tip	Surround the tube with a clean, lint-free cloth. Press the cloth around the tube. Rotate the tube in the cloth three times to assure that all areas of the tube have been wiped.
6.	Put a dry Positioning Ring on the tube.
Tip	Align the single, squared-off notch with the vertical, white indexing line that is printed on the tube.
7.	Insert the tube into the chamber. Close lid. SCAN BLANK . Remove the tube.
Tip	After scanning the blank, scan the blank as a sample. It should read 0.00. If not, reblank the meter and scan the blank again until it reads 0.00. A small negative number will be observed if the reading is slightly less than the reading used as the blank. This is expected due to minute variations between readings.
8.	Empty the tube. Rinse the same tube three times with the Sample . Fill the tube to the line with the Sample . Cap the tube.
Tip	Mix the sample by inverting gently but avoid introducing air bubbles. When the tube is inverted, wipe the lip of the tube to remove droplets of liquid that may be present. This will prevent liquid from becoming trapped under the ring when the tube is returned to the upright position. Fill the tube slowly, pouring down the side of the tube, to avoid introducing bubbles.
9.	Wipe the tube thoroughly with a lint-free cloth.
Tip	Surround the tube with a clean, lint-free cloth. Press the cloth around the tube. Rotate the tube in the cloth three times to assure that all areas of the tube have been wiped.
10.	Insert the tube into the chamber. Close lid. SCAN SAMPLE .
11.	Record the results.

0-1 NTU TESTING GUIDE (continued)

CALIBRATION:

1.	Turn meter ON .
2.	Select MEASURE .
3.	Select TURBIDITY .
4.	Rinse a tube three times with the 0 NTU Standard or zero-turbidity water. Fill the tube to the line with the 0 NTU Standard . This is the Blank .
Tip	Use a clean, smudge-free, scratch-free tube. Do not use a tube or cap that has held standards with high turbidity. Fill the tube slowly, pouring down the side to avoid introducing bubbles.
5.	Dry Tube .
Tip	Surround the tube with a clean, lint-free cloth. Press the cloth around the tube. Rotate the tube in the cloth three times to assure that all areas of the tube have been wiped.
6.	Put a dry Positioning Ring on the tube. Cap the tube.
Tip	Align the single, squared-off notch with the vertical, white indexing line that is printed on the tube.
7.	Insert the tube into the chamber. Close lid. SCAN BLANK . Remove the tube.
Tip	After scanning the blank, scan the blank as a sample. It should read 0.00. If not, reblank the meter and scan the blank again until it reads 0.00. A small negative number will be observed if the reading is slightly less than the reading used as the blank. This is expected due to minute variations between readings.
8.	Empty the tube. Rinse the same tube three times with the 1 NTU Standard . Fill the tube to the line with the 1 NTU Standard . Cap the tube.
Tip	When the tube is inverted, wipe the lip of the tube to remove droplets of liquid that may be present. This will prevent liquid from becoming trapped under the ring when the tube is returned to the upright position. Fill the tube slowly, pouring down the side of the tube, to avoid introducing bubbles.
9.	Wipe the tube thoroughly with a lint-free cloth.
Tip	Surround the tube with a clean, lint-free cloth. Press the cloth around the tube. Rotate the tube in the cloth three times to assure that all areas of the tube have been wiped.
10.	Insert the tube into the chamber. Close lid. SCAN SAMPLE .
Tip	Scan the sample three times removing the tube from the chamber after each scan. The readings should be consistent. Use the last consistent reading to calibrate the meter.
11.	Press ▼ and * OK to select CALIBRATE .
12.	Use ▼ and ▲ to change highlighted digits on the display to read 01.00 .
13.	Select SET .
14.	Select * OK to proceed to Turbidity Analysis.



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