

Low Range COD Photometer A-7320

20 to 150 PPM (mg/Liter)

Operating Instructions

1. Follow the CHEMetrics COD Test Procedure (Steps 1-11) which is included in every CHEMetrics COD Test Kit.
2. Press ON/OFF switch.
3. The display will show "**Welcome CHEMetrics**", then "**AUTOBLANK ON LOW RANGE COD**", then it will prompt you to "**INSERT SAMPLE**". When it does, wipe the exterior of a digested COD sample vial until it is clean and dry, and then insert it into the sample compartment.
4. The display will show "**READING SAMPLE, PLEASE WAIT**", then it will prompt you to "**REMOVE SAMPLE**". When it does, remove the digested COD sample vial.
5. After the sample vial is removed, the display will prompt you to "**INSERT BLANK**". When it does, wipe the exterior of a digested COD reagent blank vial until it is clean and dry, and then insert it into the sample compartment.
6. The display will show "**READING BLANK, PLEASE WAIT**".
7. Sample test results will appear in the display as mg/L COD.
8. Record the test result.
9. When you remove the blank vial, the display will prompt you to "**INSERT SAMPLE**". When it does, insert the next digested sample vial in the series or press the ON/OFF switch to turn the instrument off.

Operating Tips

- Protect photometer from extreme humidity, corrosive fumes and dusty areas. Store in a cool, dry place.
- If the photometer is not expected to be used for periods exceeding 3 months, remove the batteries.
- Battery life may be prolonged by turning photometer OFF after use.
- Photometer must be turned off and back on again for re-zeroing. However, re-zeroing is not necessary when reading a series of samples.
- When moving the photometer from one temperature extreme to another, wait at least 10 minutes before use to allow photometer to come to temperature equilibrium.

Displays and Troubleshooting

Battery Low: Batteries are getting weak and should be replaced.

Battery Dead: Batteries are dead and must be replaced.

Dilute & Retest: Sample is over-range. Dilute fresh sample with distilled water, re-digest and read. Multiply test result by the dilution factor.

Below MDL: Sample concentration is below method detection limit.

Specifications

Auto Shut Off: After 15 minutes of non-use

Method Detection Limit: 20 ppm

Light Source: 430 nm narrow band light emitting diode

Operating Temp.: 0 to 40°C (32 to 104°F)

Storage Temp.: -10 to 70°C (14 to 158°F)

Battery: 4 x 1.5 V (size AA) alkaline batteries

Battery Replacement: Remove cover on bottom of instrument and insert batteries (observe correct polarity as indicated by battery holder).