

COD Photometer



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SALIENT FEATURES

- Potassium Dichromate fast digestion - Spectrophotometric method
- Built in & user defined calibration curve with facility of storage.
- Unique plug in standard SD card data storage technology. Analysis of data can be transferred to the PC through SD card.
- Narrow band interference filters, cold light source extremely long life span.
- Fast accurate & stable performance.
- Auto Zero & Shut off facility
- Suppression of chloride interferences.
- Built in real time clock.
- Various known brands COD vials can be used with the system

The Chemical oxygen demand i.e. COD value of water as determined by the dichromate method can be considered as an estimate of the theoretical oxygen demand means the amount of oxygen consumed in to chemical oxidation of the organic constituents present in the water.

With a measuring range from 0-15000mg/l the Labman Photometer are suitable for waste water testing.

Two LED light source with long term stability ($\lambda_1 = 610 \text{ nm}$; $\lambda_2=420 \text{ nm}$), a water proof chamber, a large Digital Display with the user friendly key pad ensure maximum operating reliability.

MODEL	COD-150
Make	LABMAN
Measuring Range (0-15000mg/L)	0 – 150 mg/l O ₂ LR* 0 – 1500 mg/l O ₂ MR* 0 – 15000 mg/l O ₂ HR*
Tolerance	±3.5% FS (Full Scale)
Display	LCD
Display Information	Concentration, absorption, sample no. measuring time.
Light source	High efficiency LED
Sample volume	2ml for LR & MR and 0.2 ml for HR
Storage	Standard SD card Format (.doc and .xls notes allowed)
Standard Curves	Standard curves are inbuilt however user may also make & store their own curves.
Power Supply	3V DC adaptor or 2 Nos. AA Batteries

Standard Solutions : Standard solutions are solutions with a defined concentration and are provided to check the operation methods & devices of the cuvette tests as well as the conditions of optical filters & the instruments.

These are available in 100, 500 mg/l, COD (quantity 30 ml) & 5000 mg/l COD (quantity 10 ml).

* Based on the use of Potassium Hydrogen Phthalate standards

