

Chemical Oxygen Demand Analyzer (Laboratory COD Meter)

TOPLAB INDIA'S TOP-COD1 Laboratory COD Meter is equipped with high quality LCD display. The chemical oxygen demand, COD value of water is determined by this Potassium dichromate fast digestion Spectrophotometric method can be considered as an estimate of the theoretical oxygen demand, i.e. the amount of oxygen consumed in total chemical oxidation of the organic constituents present in the water.



MODEL: TOP-COD1

Features:

- LCD Display, Small size , light weight, easy operation, energy saving technology, suitable for rapid measurement with less pre-heating time in the field or Lab .
- Stored working curves of major brands reagents for users calling with user defined calibration function.
- Various brands (Hach, Merck, Lovibond, CHEmetrics, HANNA, Thermo and many more) reagents can be used with this meter.
- Optional Unique plug in Standard SD card data storage technology, automatic data saving and generate analysis reports in SD card for direct viewed or edited in Word and Excel format.
- Easy to use: Display operation prompts , automatic zero adjustment, automatic readout concentration and absorption reading with sample No. after insert tube within 1 second, without building working curves and compounding reagents by users

Technical Specification:

Model	TOP-COD1
Display Mode :	LCD Display
Measuring Range :	0 ~1000 mg/L (Ranges:0~150 mg/l ,0~1000 mg/l)dil. >1000 mg/l
Measurement Accuracy :	5 mg/L $\pm 5\%$
Reading & Display Information :	Concentration, Absorption, Sample No. and Measuring time
Working Wavelength :	420nm ~ 610nm
Light Source :	High Efficient LED
Data Storage :	20 measurement results can be stored
Data formats :	.doc & .xls (notes allowed) Optional
Instrument type :	Direct readout on display
Continuous use time :	100 hours (2500 mAh AA-Ni Battery) Optional
Weight (kg) :	500 gms
Dimensions (mm) :	230 x 150 x 160 (mm)
Power adaptor :	9VDC Power adaptor
Power Supply :	AC220V $\pm 10\%$, 50Hz

Chemical Oxygen Demand Digester (COD Heating Digester)

TOPLAB INDIA'S TOP-COD9 is high temperature COD heating Digester controlled by microcomputer, use high purity aluminium material as a heat conduction medium instead of the traditional COD digestion device. It is easy to use, wide temperature range, high precision etc. Digital display provides precise temperature setting. It can be widely used in sample digestion reaction of COD analysis, TOC, Total phosphate, Total nitrogen, Total chromium, solidification and other kinds of serum biochemical sample thermostatic incubation process.



MODEL: TOP-COD9

Features:

- Large LCD screen with status LED indicators
- Ideal for COD analysis in waste water treatments and Laboratories.
- Fully insulated heater block
- Easy replacement and cleaning of blocks.
- Automatic fault detection and buzzer alarm function.
- Temperature calibration function.
- Built-in over-temperature protection.

Technical Specification:

Model	TOP-COD9
Reactor Type :	Dry temperature control device
Number of vial cells :	9 vial cell with $\phi 16\text{mm}$ holes
Programmable temp. range :	RT +5°C ~ 160°C
Temperature accuracy (°C) :	$\pm 0.5^\circ\text{C}$ (@40°C) , $\pm 1^\circ\text{C}$ (@120°C)
Temperature Stability :	$\pm 0.5^\circ\text{C}$
Heating time :	$\leq 15\text{min}$ (from 25°C to 160°C)
Display accuracy :	$\pm 1^\circ\text{C}$
Time range :	1 min ~ 99h59min
Heating Block :	Aluminium
Weight (kg) :	5.0 kg
Dimensions (mm) :	260 x 220 x 100 (mm)
Power :	300W
Power Requirement :	AC 220V, 50/60Hz