



Portable COD Analyzer

Model : COD-1S



The portable COD analyzer is the use of sealed catalytic digestion, and then colorimetric measurements. The instrument uses advanced, narrowband interference technology and microcomputer automatic processing of data, direct display. The instrument is widely used in environmental monitoring, waste water treatment and universities, research institutes and other departments.

Technical Parameter

1. Measurement range: COD: 5 ~ 2000mg / L, exceeding the dilution determined.
2. Indication error: COD: Indication error $\leq \pm 5\%$
3. Repeatability: $\leq 3\%$
4. Resistance to chloride interference: $\leq 2000\text{mg} / \text{L}$
5. Temperature control system: room temperature ~ 180 °C can be set, COD digestion temperature of 165 °C.
6. Temperature control accuracy: $\pm 1\text{ }^{\circ}\text{C}$
7. Temperature control time: 1 ~ 999min adjustable
8. Digestion time: 10min.
9. Optical stability: Instrument absorbance values drift less than 0.002A within 20min
10. Batch capacity: four water samples (or optional 16 water samples)

11. Dimensions: COD analyzer 80mm × 230mm × 55mm; Digestion device 105mm × 160mm × 90mm

12. Host power consumption: current <40μA; digestion power consumption: <65W

13. Normal conditions of use: 1) Ambient temperature: 5 ~ 40 2) Relative humidity: ≤ 85%

3) Power supply: Host: 4 piece 5 # batteries

Digestion device: Car power adapter or 220V power supply(battery or optional power supply)

4) no significant vibration and electromagnetic interference, avoid direct sunlight.

Main Feature

- Analyzer apart with digestion device, does not affect measurement accuracy. PID automatic temperature control, automatic timing.
- High-performance ultra-low power 16-bit microcontroller, standby time is up to six months or more.
- Operation save time, COD digestion just 10min.
- Cold light, narrowband interference optical system, good optical stability.
- Data power protection.
- COD can be saved for each standard curve 50 and 199 measured values (with a time label with the year, month, day, hour, minute and second values of COD, absorbance and transmittance)
- With a USB port, you can join the computer to record read.
- LCD large-screen LCD for easy and intuitive operation.
- Host chassis with molded ABS material, IP65 design, waterproof and dustproof performance.
- With calibration tube function, eliminating the optical differences digestion tubes, to ensure accuracy.
- Optional printing function and emergency backup battery.

Configuration list

Host 1set, digestion device 1set, carrying case 1piece, digestion colorimetric tube 20 pieces, test tube rack 1piece, COD reagent 1 set, AC-DC converters (220V/12V) 1 piece, car power adapter 1piece, digestion shield 1piece, manual 1piece, product certification 1piece, warranty card 1 piece.

Note: If not required to carry out, digestion can choose DIS-16 NC 16 holes multifunction digestion. This digestion with 220V power supply. optional portable printer and battery. (But prices vary)