COD Analyzer

Brand **Master Science** | Unit **Pc**



The COD analyzer is designed to measure various routine water parameters, such as COD, ammonia nitrogen, total phosphorus, total nitrogen, turbidity, and suspended heavy metal ions, ensuring more accurate measurement results.

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Key Features

- Allows users to create their own curves based on specific measurement requirements, with adjustable segmentation coefficient K.

Technical Specifications

PARAMETER	SPECIFICATION
Test ItemCOD (Chemical Oxygen Demand)	
Measurement Range5-10000 mg/L (segmented)	
Test MethodFast digestion spectrophotometry	
Indication Error≤8%	
Repeatability≤±5%	
Optical Stability≤0.001A/10min	
Light Source Life100,000 hours	
Measurement Time15-20 minutes	
Number of Curves200	
Data Storage>5000 entries	
Colorimetric MethodCuvette / colorimetric tube	
Display7-inch color touch screen	
PrinterBuilt-in thermal printer	

PARAMETER	SPECIFICATION
Data CommunicationUSB interface, RS-232 serial port	
Ambient Temperature5~40℃	
Ambient HumidityRelative humidity ≤85% (non-condensing)	
ElectricityAC 220V±10%/50Hz	
Rated Power70W	

User-friendly Interface

- 7-inch color touch screen with intuitive GUI graphic navigation, aligning with user operating habits for easy operation.

Comprehensive Measurement

- Capable of measuring various conventional water parameters, with direct concentration readouts for more accurate results.

Large-Capacity Storage

- Includes built-in storage for 5 manufacturer curves and 195 expansion curves, storing over 5,000 experimental data entries for convenient review.

High-Precision Filter System

- Unique system enhances instrument stability and measurement accuracy.

Built-in Thermal Printer

- Prints current and stored data, optimizing laboratory space.

Advanced Light Source Technology

- Utilizes cold light source and narrow-band interference technology, extending light source life up to 100,000 hours.

Enhanced Processing Power

- Equipped with a new ARM9 chip for sensitive response and 500M memory capacity.

USB Storage Support

- Facilitates easy data storage for users.

Compatibility with Lab-yy Reagents

- Reduces experimental steps, simplifies measurement processes, and improves data accuracy.