

COD Analyzer



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.

Features

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.

Custom Curve Capability:

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

Compatibility with Lab-yy Reagents:

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

- **Model:** MSCODY1001SWISS

- **Test Item:** COD (Chemical Oxygen Demand)
- **Measurement Range:** 5-10000 mg/L (segmented)
- **Test Method:** Fast digestion spectrophotometry
- **Indication Error:** $\pm 8\%$
- **Repeatability:** $\pm 5\%$
- **Optical Stability:** $\pm 0.001A/10min$
- **Light Source Life:** 100,000 hours
- **Measurement Time:** 15-20 minutes
- **Number of Curves:** 200
- **Data Storage:** >5000 entries
- **Colorimetric Method:** Cuvette / colorimetric tube
- **Display:** 7-inch color touch screen
- **Printer:** Built-in thermal printer
- **Data Communication:** USB interface, RS-232 serial port
- **Ambient Temperature:** 5~40°C
- **Ambient Humidity:** Relative humidity $\leq 85\%$ (non-condensing)
- **Electricity:** AC 220V $\pm 10\%$ /50Hz
- **Rated Power:** 70W