



**CODcr
Online
Automatic
Analyzer**

EZ L600-CODcr

Overview

EZ L600-CODcr is based on proven technology for online COD measurement using Rapid Digestion Spectrophotometry, combining constant optical fiber and colorimetric technology.

This online COD analyzer works in accordance with the technical requirements of HJ/T 399-2007 Water Quality Chemical Oxygen Demand Measurement-Digestion Spectrophotometry. COD measuring equipment has the features of high reliability, low detection limit, high stability, and strong anti-chloride ion interference capability. Now it has been widely used in pollution sources, municipal wastewater, industrial processes, etc.



Features

High accuracy and reliability, strong capability of anti-interference:

- ▶ Rapid Digestion Spectrophotometry technology used on online COD measurement will be not affected by chromaticity, suspended solids, and bubbles, especially suitable for the monitoring of inlet water.
- ▶ The online COD analyzer's special design of flow and reagent ratio, high precision, low detection limit(10mg/L).
- ▶ Our COD analysis equipment adopts constant optical fiber and light intensity compensation algorithm, small drift for long-term operation.

Low maintenance and cost:

- ▶ This water analyzer equipment has a key self-checking function, easy to debug, maintain, comparison test.
- ▶ Our online COD analyzer has self-diagnosis function, assisting maintainer to analyze the failure.
- ▶ Imported single-channel high integration valve island which is simple and easy to maintain, dismantle and clean.
- ▶ All-day networking for real-time inspection of the COD measuring equipment running state.

High intelligent level:

- ▶ Scan code function: rapidly obtain running/maintenance information of the COD measuring equipment.
- ▶ Alarm function: online COD analyzer provides intuitive and accurate information for grounding self-check, reagent insufficiency and etc.
- ▶ Quality control: our COD measuring equipment is equipped with a parallel sample test, standard sample verification, and standard recovery rate detection.
- ▶ Reverse control function: start automatically by flow and PH.

Technical Specification

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| Method | Water Quality COD detection-Rapid Digestion Spectrophotometry |
| Range | 10~5000~20000mg/L (customizable) |
| Zero Drift | ±2mg/l |
| Span Drift | ±3.0%F.S. |
| Accuracy | ±10.0% F.S |
| Repeatability | ±5%F.S |
| Memory Effect | ≤2mg/l |
| Reagent | 1 set reagents is able for about 250 times of measurement (can be customized according to field needs) |
| Maintenance | <2 hour/month |
| External Interface | 1×4-20mA input/output (expandable to 2) RS485/RS232/USB interface/WIFI/ Bluetooth (optional) |
| Working Temp | 5°C ~ 40°C |
| Power | 200W (220VAC 50Hz), regardless of the pump |

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