


ALC-Scientific

 LAB-GRADE ENGINEERING. OEM SCALE RELIABILITY.
 SCIENTIFIC INSTRUMENTS • OEM MANUFACTURING • LAB SOLUTIONS

PRODUCT BROCHURE

 ANALYZE
 PRESERVE
 FOR A CLEANER
 TOMORROW

ENVIRONMENTAL & WATER ANALYSIS

COD ANALYZER

ALC-COD Series

Reliable COD analysis for water and wastewater.

The ALC-Scientific COD Analyzer supports accurate chemical oxygen demand analysis for environmental monitoring and process control.


 CLEANER
WATER

 SAFER
ENVIRONMENT

 A HEALTHIER
TOMORROW

SCIENCE FOR A SUSTAINABLE TOMORROW



MEASUREMENT RANGE

0–15000 mg/L

METHOD

Colorimetric

APPLICATION

 Wastewater /
Environment

MODEL

ALC-COD Series

CATALOGUE NUMBER

To be confirmed



OVERVIEW & FEATURES

ANALYZE
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TOMORROW

ENVIRONMENTAL & WATER ANALYSIS

Reliable COD testing for wastewater and environmental monitoring.

ALC-COD Series

The ALC-COD Series provides accurate and reliable chemical oxygen demand (COD) analysis for wastewater, effluent and process control applications. Designed for ease of use and consistent performance, it helps laboratories and operators monitor water quality and ensure regulatory compliance.



MEASUREMENT RANGE

0–15000 mg/L

METHOD

Colorimetric

APPLICATION

Wastewater / Environment

Key Features



Multi-range COD testing

Accurate measurement across a wide range of concentrations (0–15000 mg/L).



Intuitive touchscreen operation

Simple, user-friendly interface for fast and efficient operation.



Compact bench design

Space-saving footprint ideal for modern laboratories.



Vial-based workflow

Pre-dosed reagents and sealed vials for safe and convenient digestion.



Internal data storage

Store and review test results with ease.



Suitable for environmental and utility laboratories

Supports routine analysis and regulatory compliance.

Working Principle

Samples are digested with a strong oxidizing reagent at high temperature, converting organics to dichromate equivalent. The resulting colour change is measured photometrically using a colorimetric method, and the COD value is calculated from the absorbance.

TYPICAL APPLICATIONS

- Wastewater treatment plants
- Effluent monitoring
- Environmental laboratories
- Municipal quality assurance (QA)
- Academic and research laboratories
- Industrial process control



TECHNICAL SPECIFICATIONS

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REFERENCE TECHNICAL DATA

Model-specific values require approved OEM confirmation.

PARAMETER	REFERENCE SPECIFICATION
Product type	COD Analyzer
Measurement range	0–15000 mg/L
Method	Colorimetric
Display	Integrated touchscreen display
Workflow	Vial-based analysis, digestion dependent
Light source	LED / photometric, model dependent
Data handling	Internal storage / data export, model dependent
Power supply	220–240 V AC, 50 Hz
Sample type	Water / wastewater samples
Applications	Wastewater / environmental analysis

STANDARD SUPPLY

- ✓ Main unit (COD Analyzer)
- ✓ Vial holder / chamber
- ✓ Power adapter
- ✓ Starter accessories
- ✓ User manual

OPTIONAL / MODEL-DEPENDENT

- + Digestion accessories
- + Printer / data export
- + Protective cover
- + Validation support
- + Accessory kit

TO BE CONFIRMED

- ! Final model
- ! Compliance requirement
- ! Site requirement
- ! Required documentation
- ! Delivery timeline / commercial terms



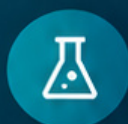
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APPLICATIONS & ENQUIRY

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LABORATORY APPLICATIONS

A practical platform for professional water-analysis workflows.



Applications

- Wastewater testing
- Effluent monitoring
- Environmental laboratories
- Municipal quality assurance
- Academic and research labs
- Process-control use



Product Advantages

- Accurate COD measurement
- Compact bench design
- Touchscreen interface
- Repeatable workflow
- Data storage convenience
- OEM / private-label suitability

INDUSTRIES SERVED

Research laboratories / Academic institutions / Environmental / Utility / Water-treatment laboratories



SCAN PRODUCT PAGE

alcscientific.com/brochure/cod-analyzer

Request a model-specific quotation.

Please share your sample type, required measurement range, expected throughput, installation city and any documentation needs (datasheet, quotation, technical details). Our team will be happy to assist you with the right configuration.

ALC-SCIENTIFIC LABORATORY SYSTEMS

OEM / PRIVATE LABEL AVAILABLE



alcscientific.com



info@alcscientific.com



+91 89501 26206

Specifications are subject to change without prior notice.