

CODG-3000 COD Analyzer



Chemical Oxygen Demand

CODG-3000 type COD Automatic Online Analyzer is developed with completely independent intellectual property rights of COD automatic testing instrument, be able to automatically detect COD of any water for a long time that in unattended condition.

MEASURING PRINCEPLE

CODG-3000 Online COD Analyzer use principle of the potassium dichromate method for measuring COD: the water sample, potassium dichromate, silver sulfate solution (the catalyst oxidizes the linear aromatic hydrocarbon compound more fully) and concentrated sulfuric acid are heated to 175 ° C in the digestion tank. During this period, the chromium ion is reduced as the oxidant from the VI valence to the III valence and the color is changed. The degree of color change corresponds to the content of the organic compound in the sample, and the instrument directly displays the COD of the sample by colorimetric conversion. The main interference of CODG-3000 potassium dichromate type Online COD Analyzer for wastewater cod detection is chloride, which can be removed by adding mercury sulfate to form a complex

SPECIFICATIONS

MODEL	CODG-3000
Measure Principle	Potassium dichromate method
Measuring Range	0.1 ~ 15,000 mg/L
Accuracy	≥ 100mg/L ± 5 % ≤ 100mg/L ± 8mg/L
Repeatability	≤ ± 5%
Stability	≤ ± 10% within 24h
Measurement Period	The minimum measurement period is 30minutes The color rendering time can be modified arbitrarily within 5~120min
Calibration Cycle	Adjustable at any interval from 1 to 99 days
Output	4-20mA , Relay Output , RS485 , RS232
Install Requirements	Recommended temperature +5 ~ 28 degree C
Humidity	≤ 90% (Condensation)
Power Supply	AC220 ± 10%
Dimension	1450 x 510 x 450mm (H*W*D)
Screen	LCD touch screen display