

T9010Cr

Total Chromium Water Quality Online Automatic Monitor



1. Product Overview:

The analyzer can automatically and continuously work unattended for a long time according to the site setting, and is widely used in industrial pollution source discharge wastewater, industrial process wastewater, industrial sewage treatment plant sewage, municipal sewage treatment plant sewage and other occasions. According to the complexity of the field test conditions, the corresponding pretreatment system can be selected to ensure the reliability of the test process and the accuracy of the test results, and fully meet the field needs of different occasions.

2. Product Principle:

This product is determined by dibenzoyl dihydrazine spectrophotometry. After mixing water samples and strong oxidants, the trivalent chromium is oxidized to hexavalent chromium. Hexavalent chromium reacts with the indicator to form a colored complex in the presence of acidic environment and indicator. The analyzer detects the change in color and converts this change into total chromium value output. The amount of colored complex produced is equivalent to the total amount of chromium.

This method is suitable for wastewater with total chromium in the range of 0~500mg/L.

3. Technical Parameters:

No.	Name	Technical Specifications
1	Application Range	This method is suitable for wastewater with total chromium in the range of 0~500mg/L.
2	Test Methods	Dibenzoyl dihydrazine spectrophotometric colorimetry
3	Measuring range	0~500mg/L
4	Lower limit of Detection	0.05
5	Resolution	0.001
6	Accuracy	±10% or ±0.05mg/L(Take the bigger value)
7	Repeatability	10% or 0.05mg/L(Take the larger value)
8	Zero Drift	±0.05mg/L
9	Span Drift	±10%
10	Measurement cycle	Minimum 20 minutes. According to the actual water sample, the digestion time can be set from 5 to120 minutes.
11	Sampling period	Time interval (adjustable), integral hour or trigger measurement mode can be set.
12	Calibration cycle	Automatic calibration (1-99 days adjustable), according to actual water samples, manual

		calibration can be set.
13	Maintenance cycle	Maintenance interval is more than one month, about 30 minutes each time.
14	Human-machine operation	Touch screen display and instruction input.
15	Self checking protection	Working status is self-diagnostic, abnormal or power failure will not lose data. Automatically eliminates residual reactants and resumes work after abnormal reset or power failure.
16	Data storage	No less than half a year data storage
17	Input interface	Switch quantity
18	Output interface	Two RS485 digital output, One 4-20mA analog output
19	Working Conditions	Working indoors; temperature 5-28°C; relative humidity≤90% (no condensation,no dew)
20	Power Supply Consumption	AC230±10%V, 50~60Hz, 5A
21	Dimensions	355×400×600(mm)