

**WACU2001** is an analyzer specific for monitoring copper in water samples.

The analyzer uses the spectrophotometry with citrate as a masking agent. This is because there can be interference from other metal ions like cobalt. The pH of the sample is then adjusted to form an alkaline state and a colour developer is added.

Using UV-VIS spectrophotometer the colour comparison at a fixed wavelength is analyzed and the concentration of copper is determined based on the absorbance of the water sample.

## Applications

- Monitoring of plankton growth
- Drinking water
- Monitoring algae growth



## Features

### High reliability, low maintenance

- Core components are imported, high reliability, long lifetime, suitable for long time online monitoring
- All part contact with liquid will be particularly tested to ensure a long service life
- Specially designed flow path to prevent blocking

### Accurate measurement, wide application scope

- Photoelectric measurement method, accurate sampling, low sample injection error
- Automatic chromaticity and turbidity compensation algorithm give full consideration to the situation of actual water samples, real and reliable monitoring results.
- Unique hybrid technology or bubbles agitation ensures thorough mixing of samples and reagents

### Safe use, efficient analysis

- When a reagent leaks automatic there will be an alarm and reminders for maintenance.
- Equipment has self-diagnosis function, if there is any defects and alarm will be alerted and display on screen.



## Technical Specification

Specification	
Method	UV-VIS Spectrophotometry Method
Measure range	0~1/5mg/l (customizable)
Accuracy	±10%
Repeatability	±5%
Maintenance	>2hr/month
Reagent	1 set reagents: 250 measurements (can be customized)
Interface	Analog output: 1 x 4-20mA (expandable to 2) max load 500Ω Analog input: 1 x 4-20mA (expandable to 2) 0-5V input Relay Output: 4 (configuration is flexible) RS485/RS232/USB (optional)
Dimensions	1400 (h) x 405 (w) x 500 (d) mm
Ambient conditions	Temperature: 5~40°C
Power Supply	AC230V, 50 Hz
Power Consumption	200 W (not including pump)
Weight	75 kg

