

RESIDUAL CHLORINE

**DIGITAL RESIDUAL CHLORINE SENSOR - C400**

Liquid Analysis

Measurement & Monitoring



**DESCRIPTION**

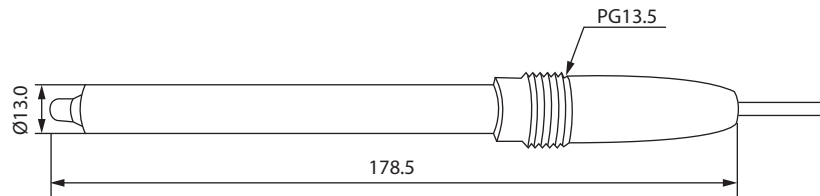
The C400 series residual chlorine sensor applies the advanced principle of constant voltage to measure residual chlorine/chlorine dioxide in water. This method utilizes a stable potential between the polarized electrodes and reference electrodes at certain different current intensities. The sensor's reading is measured in the concentration unit by analyzing the current signal.

The C400 sensor is simple in structure. Replacement of membrane and reagent of the electrode is not required during maintenance. The C400 is completed with standard digital signal output, integrating and networking with other equipment without controller. With rapid response, low maintenance cost, real-time online measurement, the C400 is suitable for wide range of application such as chemical, dosing plant, industrial processing water treatment plant, recycling water plant, and water supply network station.

**FEATURES**

- ✓ Constant voltage method
- ✓ Easy to clean and replace
- ✓ Fast response time
- ✓ Low maintenance cost

**DIMENSION/DRAWING**



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**505/021**

## TECHNICAL FEATURES

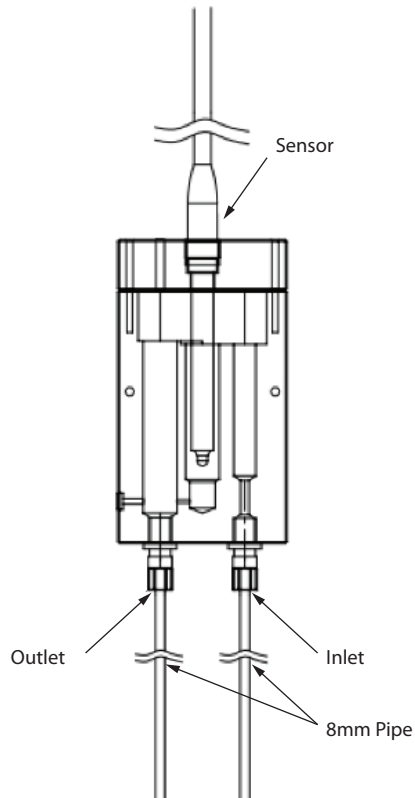


Figure 1  
C400 Residual Chlorine Sensor with flow cell setup

### Operating Condition

<b>Range</b>	0 to 20 mg/L
<b>Temperature Range</b>	0 to 50°C
<b>Temperature Compensation</b>	Manual or automatic temperature compensation
<b>Temperature Coefficient</b>	2% per Degree Celcius
<b>Flow Rate</b>	30 to 90L/h (It should be used with the flow cell. See Figure 1 for flow cell setup.)

### Sensor Performance

<b>Sensitivity</b>	78% to 155%
<b>Calibration</b>	2-point calibration

### Electrical

<b>Power Supply</b>	12V DC
<b>Communication</b>	RS485 (Modbus)

### Dimension and Protection

<b>Dimension</b>	Diameter 13 mm, Length 178.5 mm
<b>Sensor Material</b>	316 Stainless Steel shell
<b>Signal Cable Length</b>	Standard 10 meter

