

# Chlorine

## 34 RC-100 Special Specifications Residual Chlorine Monitor (Non-Reagent / Polarographic 3 Electrode Method)



**RC-100A-27**  
[1] 0.0~50.0mg/ℓ  
[2] 0~200mg/ℓ

For High Density



**RC-100Z**  
0.00~2.00mg/ℓ

For Total Chlorine



**RC-100L**  
0.00~2.00mg/ℓ

For Sea Water

pH condition	pH 3.5~10.5	pH 5.8~8.6	pH 6.0~8.0
Principle	No-reagent polarographic method		
Measuring System	Bead-cleaning type, minute solid 3 electrode system		
Display	Digital 3 digits LCD		
Accuracy	Within ±5% of full scale		
Response Time	90% within 1 minute		
Transmitting output	DC4~20mA(isolation type)		
Contact Point Output	Hi/Lo each 1a		
Power Supply	AC85~250V 50/60Hz		
Installing	Fixing on the wall or fixing 50A pole pipe		
Applications	For Food Plant Sterilization Process.	For Waste Water Measurement.	For Sea Water, For Thermal power plant.

### ■ Sampling Part

Model	FC-27	FC-220	FC-200
Structure	Overflow type flow cell		
Material	PVC, PA, Silicon Rubber		

### ■ Sensor Part

Model	① RE-21C-010N ② RE-30C-01N	RE-20	RE-253C-010N
Temp Compensation	Automatic Temp Compensation by thermistor		
Cleaning Method	A : Mechanical beads cleaning B : Continuous electrolytic cleaning		A

### ■ Outline

This monitor is mainly used to continuously detect residual chlorine in the water by 3 electrode system and polarographic method without using reagent. The dirt sticking to the electrode and also chemical dirt can be prevented by electrical and chemical cleaning function operated from outside together with bead-grinding. It differs from 2 electrode system and capable of stable measurement without being affected by interference substance and conductivity.

### ■ Measuring Principle Drawing

