

Chlorine

35 RC-100A

Residual Chlorine Monitor



■ Overflow type flow cell

Standard measurement is overflow type flow cell system. Raising the sample water level up to over flow pipe, and make the flow volume = flow speed to be constant which goes to the measuring tank at the certain head. Simpler flow compensation than in-line type, and no flow characteristics of the detector.

■ Meter

Measuring object	Mode A: free residual chlorine Mode B: total residual chlorine
Measuring theory	No-reagent polarographic method
Measuring system	Bead-washing type, minute solid 3 electrode system
Measuring range	0.00~2.00mg/ℓ(standard)
Display	Digital 3 digits LCD Minimum resolution: 0.01mg/ℓ
Accuracy	Within ± 5% of full scale(flow volume, pH, temperature, conductivity at the certain time)
Sample water pH range	Mode A: pH 5.8~8.0 Mode B: pH 5.8~8.6
Corresponding time	90% within 1 minute
Temp. compensation	Automatic temperature compensation by Thermister
Transmission output	DC4~20mA(isolation type), max. resistant load 500Ω
Electrolytic wash	Electrolytic washing sequence by one of the below operation: 1) CLEAN. Terminal(cleaning trigger terminal) short circuit 2) CLEAN. Key input 3) POWER ON(power on cleaning) 4) 24 hour timer
Power source	AC85~250V 50/60Hz
Fixing	Fixing on the wall (standard) or fixing 50A pipe

■ Sampling part

Model	FC-30A
Structure	Overflow type flow cell
Sampling flow	1.5~3ℓ/min
Liquid junction	PVC, PA, Alumina, silicone rubber
Sample inlet	Outer diameter 18φhose nipple
Sample outlet	Outer diameter 18φhose nipple(open air, no back pressure)

■ Sensor

Model	RE-22B(standard)
Sample temp.	0~45℃(no freezing)
Temp. compensation	Automatic temperature compensation by Thermister
Fixing	Fix on the side of FC-30A measuring part
Electrode cleaning	Mode A: Mechanical grinding cleaning with beads Mode B: Mechanical grinding cleaning with beads and continuous electrolytic cleaning

Applications

Used for bath tubs, hot spring water, water-purification plant, industrial water, city water.