

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°C(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.