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residual chlorine meter

The ECLG-35 Residual Chlorine Meter is a high-precision, reagent-free sensor designed for continuous monitoring of free residual chlorine in drinking water and industrial water systems. Utilizing a 3-electrode pulse voltammetry method, the ECLG-35 offers accurate and stable measurements without the use of chemical reagents, significantly reducing operational costs and environmental impact. The sensor features an advanced automatic cleaning system, combining bead flow and electrolytic cleaning to maintain consistent sensitivity and minimize drift over time. With a measuring range of 0.00–3.00 mg/L, high repeatability (±2% FS), and a fast response time (T90 ≤ 1 minute), the ECLG-35 ensures reliable chlorine control under varying water conditions. This unit is equipped with automatic temperature compensation and a built-in thermistor, ensuring stable performance across a wide pH and conductivity range. Installation is flexible: wall-mounting is standard, or optional pipe-mounting is available on Ø50 mm tubing. Ideal for use in water treatment plants, distribution networks, buildings, hospitals, hotels, and food or pharmaceutical industries, the ECLG-35 provides peace of mind in water safety and regulatory compliance — all while operating without consumables or complex maintenance procedures. If you need a durable, low-maintenance chlorine meter that delivers long-term accuracy and efficiency, the ECLG-35 is the wise choice.

residual chlorine meter

residual chlorine meter

- No need for chemicals
- Measures only free residual
- Automatic sensor cleaning
- Wide measuring range
- Excellent repeatability
- Fast response
- Robust installation options

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why choose the eclg-35?

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priority to safe, clean water

With reagent-free operation, built-in cleaning, and excellent measurement stability, the ECLG-35 ensures accurate, long-term chlorine control, eliminating the need for routine maintenance or consumables—ideal for utilities and facilities where a safe and clean water supply is a top priority.

The Residual Chlorine Meter ECLG-35 is ideal for use in water treatment plants, distribution networks, buildings, hospitals, hotels, and the food or pharmaceutical industries. The ECLG-35 provides peace of mind in water safety and regulatory compliance. All while operating without consumables or complex maintenance procedures.

typical applications

- Drinking water production and distribution
- On-site water supply (hospitals, schools, hotels)
- Storage tanks and reservoirs
- Industrial water disinfection (food, pharma)
- Real-time quality monitoring without consumables

technical specifications

Parameter	Details
Measurement principle	3-electrode pulse voltammetry
Measuring range	0.00 – 3.00 mg/L (free residual chlorine)
Repeatability	±2 % FS + 1 digit (3 mg/L range)
Linearity	±5 % FS + 1 digit
Zero/Span drift	≤ ±1 % FS (zero), ≤ ±10 % FS/month (span)
Response time (T90)	≤ 1 minute
Temperature compensation	Automatic (built-in thermistor)
Power supply	100–240 V AC, 50/60 Hz (~20 VA)
Sample water conditions	pH: 5.8–8.6, Conductivity: 5–100 mS/m, Temp: 0–40 °C
Installation method	Wall mount (standard), optional 50 mm pipe mount
Operating temperature	-10 – 45 °C, RH ≤ 90 % (non-condensing)
Storage temperature	-20 – 60 °C

If you need a durable, low-maintenance chlorine meter that delivers long-term accuracy and efficiency, the ECLG-35 is the wise choice.

ecli-35

	Description	Metric	Imperial
1	Model name	ECLI-35	ECLI-35
2	Model number	ECLI-35	ECLI-35
	Liquid	**Metric**	**Imperial**
3	Strainer availability and size		
	Gas	**Metric**	**Imperial**
4	Gas quality		
5	Gas remark		
	Connections	**Metric**	**Imperial**
6	Water inlet		
7	Water outlet		
8	Gas inlet		
	Remarks		
9	Other remarks	✓ The main distinction between the ECLG-35 and ECLI-35 lies in their display resolution and measurement precision ✓ Measurement Range: 0～3mg/L ✓ Display Resolution: Lower precision with 0.1mg/L minimum display increment (displays to tenths) ✓ The ECLI-35 is more economical than the ECGI-35	

eclg-35

	Description	Metric	Imperial
1	Model name	ECLG-35	ECLG-35
2	Model number	ECLG-35	ECLG-35
	Liquid	**Metric**	**Imperial**
3	Strainer availability and size		
	Gas	**Metric**	**Imperial**
4	Gas quality		
5	Gas remark		
	Connections	**Metric**	**Imperial**
6	Water inlet		
7	Water outlet		
8	Gas inlet		
	Remarks		
9	Other remarks	✓ The main distinction between the ECLG-35 and ECLI-35 lies in their display resolution and measurement precision ✓ Measurement Range: 0.00～3.00mg/L ✓ Display Resolution: Higher precision with 0.01mg/L increments (displays to hundredths) ✓ The ECGI-35 is more expensive than the ECLI-35	