



KRK

Reference electrode, made from Glass,
ISAB not required for calibration,
Newly developed long-life electrode.

High efficiency & Long-life electrode
Chloride Ion Meter



CL-11Z

Range: 0 ~ 2000mg/l

ISAB = Ion strength adjustment buffer

Low calibration	High calibration	Measurement	Memory	Cleaning and Storage
※ISAB not required for calibration		For test water with low ionic strength, add ISAB and measure	Press the MEMO key to store the measured value. Indication of memorized value with the ▲▼ keys.	After measurement, wash the electrode well with pure water or wipe the cloth. ⇒Store the electrode with the rubber cap.

Long-life chloride ion electrode with excellent stability and durability

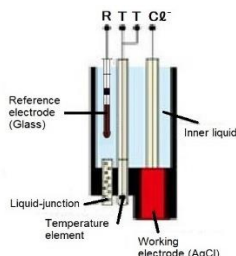
Chloride ion meter CL-11Z

◆High efficiency & Long-life electrode

The new type chloride ion electrode consisting of a reference electrode made from glass and special electrode inside liquid, has excellent stability and durability.

◆The reference electrode is glass of Long-life. Hg free

The reference electrode is glass, making it durable and resistant against contamination.

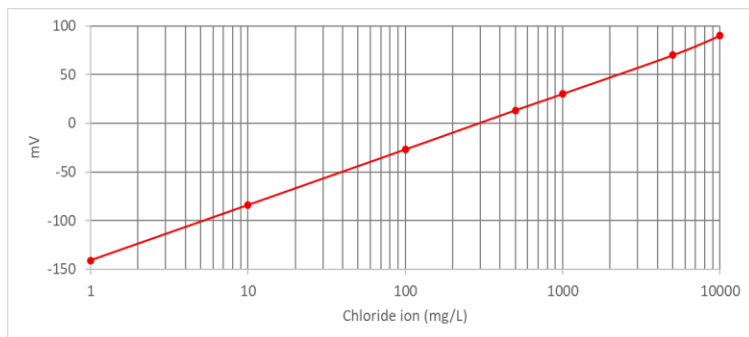


◆ISAB not required for calibration

Special electrode inner liquid and calibration liquid with increased ion strength.

◆Linearity of electrode output characteristics.

Excellent linearity from low concentration to high concentration



◆Use

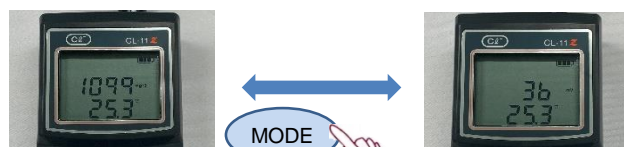
Sewage, human waste, septic tank, food, chemical factory, waterworks



◆The three parameters measurement[Cl⁻, °C, mV]

Measure 3 parameter :

chloride ion density / water temperature / electrode output (mV)



Measured values

Electrode output (mV)

Mode switching example

Instruments

Model	CL-11Z (Not compatible with CL-10Z)
Object	Water supply, food and beverage, septic tanks, industrial wastewater, etc.
Range	Cl ⁻ : 0~2000mg/L mV : 0~±1000mV (for electrode inspection) Temp. : 0.0~50.0°C (Recommended Use 6~45°C)
Resolution	Cl ⁻ mode : 0.1mg/L (0.1~99.9mg/L) : 1mg/L (100~2000mg/L) mV mode : 1mV Temp. : 0.1°C
Temp. compensation	Automatic by thermistor
Repeatability	Chloride ion : Within ±2% (For equivalent input) Temp. : Within ±0.5°C (For equivalent input)
Self diagnosis function	Disconnection : S ERR Calibration ERR : CAL ERR Battery shortage : Battery mark blinks
Memory function	Max. 30 data
Power	DC4.5V (LR03 battery × 3) Auto power off system (30 minutes)
Structure	Dust-proof and water-proof performance equivalent to IP67 (The detector be properly connected to the instrument.)
Outer dimension	70(W) × 40(H) × 173(D) mm

Electrode

Name	New type Chloride ion electrode
Model	CLD-11 (Not compatible with CL-2206)
Method	Chloride ion electrode
Electrode configuration	Working electrode : AgCl Reference electrode : Glass
Wetted part	PP, AgCl, PVC, ABS, Ceramic
Temp. condition	0~45°C
Size/Weight	φ16.5 × 187.5, About 110g
Selectivity	S ²⁻ Coexistence is not possible CN ⁻ , I ⁻ 10 ⁻⁵ Br ⁻ , S ₂ O ₃ ²⁻ 10 ⁻² NO ₃ ⁻ , SO ₄ ²⁻ , CO ₃ ²⁻ , PO ₄ ³⁻ , F ⁻ 10 ³
Cable length	1m

Standard components

Main body (CL-11Z), Chloride ion electrode (CLD-11)

10mg/L Standard solution Cl⁻ : CLSLN-10-50 (50mL)

1000mg/L Standard solution Cl⁻ : CLSLN-1000-50 (50mL)

Inner liquid for CLD-11 : CLDLQ-30 (30mL)

※Not compatible with CL-10Z

Ion strength adjustment buffer (ISAB) : 50mL

Pipette, Sand paper, Vinyl cover, carrying case

Option

Spare Chloride Ion Electrode (CLD-11)

Calibration solution 10mg/L Cl⁻ : CLSLN-10-250 (250mL)

Calibration solution 1000mg/L Cl⁻ : CLSLN-1000-250 (250mL)

Inner liquid for CLD-11 : CLDLQ-50 (50mL)

ISAB (=Ion strength adjustment buffer) : 250mL



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